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ABSTRACT

Data on 102 historically black colleges and universities (HBCUs) collected through three annual surveys of academic science and engineering (S/E) resources are presented. Twenty-three tables are derived from: the Survey of Scientific and Engineering Expenditures at Universities and Colleges (tables 1-4); the Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions (tables 5-10); and the Survey of Graduate Science and Engineering Students and Postdoctorates (tables 11-23). The tables include the following: total and federally financed research and development expenditures at HBCUs fiscal years 1984-87; federal obligations to HBCUs ranked in descending order of total amount received fiscal year 1987; S/E graduate students in HBCUs by field, type of control, and enrollment status 1987; full-time S/E graduate students in HBCUs by field type and major support 1987; male and female S/E graduate students in HBCUs by field 1980-87; graduate S/E enrollment in HBCUs by field 1987; full- and part-time S/E graduate students in HBCUs by field 1980-87; and summary of responses from all departments at all HBCUs fall 1987. (SM)

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SELECTED DATA ON HISTORICALLY BLACK COLLEGES ACADEMIC YEAR 1987

Prepared by:

Universities & Colleges Studies Group

Surveys & Analysis Section

Division of Science Resources Studies

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JANUARY 1989

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GENERAL NOTES

This report presents data on 102 historically black colleges and universities (HBCU's). These data were collected and published by the National Science Foundation's Division of Science Resources Studies through three annual surveys of academic science and engineering (S/E) resources.

Tables 1 through 4 are derived from the **Survey of Scientific and Engineering Expenditures at Universities and Colleges.** This survey is conducted annually and covers a sample of 403 institutions of higher education that grant a graduate science or engineering degree and/or perform at least $50,000 in separately-budgeted research and development expenditures. Tables 1 through 4 include the 30 historically black colleges and universities that fall within these requirements, whether the institution had R&D expenditures or not.

The term "separately budgeted research and development expenditures" refers to current fund expenditures designed to achieve specific research goals that are sponsored either by an external agency to an institution or are separately budgeted by an internal unit within an institution. The term "expenditures" differs from the Federal accounting term "obligations" in that expenditures are monies actually spent by an institution during its own fiscal year; obligations are funds awarded by Federal agencies to the institution during the Federal fiscal year, regardless of when the recipient academic institution spends the funds.

Tables 5 through 10 are derived from the **Survey of Federal Support to Universities, Colleges and Nonprofit Institutions.** This survey is conducted annually and collects data on Federal obligations to universities and colleges from 15 agencies that provide direct support in both S/E and non S/E activities to higher education institutions. There are 102 HBCU's listed in tables 5 through 10.

The **Survey of Federal Support to Universities, Colleges and Nonprofit Institutions** describes academic S/E activities which are defined as follows:

1. Research and development includes all research activities, both basic and applied, and all development activities that are supported at academic institutions. "Research" is systematic study directed toward fuller scientific knowledge of the subject studied. "Development" is the systematic use of knowledge and understanding gained from research directed toward the production of useful materials, devices, systems, or methods, including design and development of prototypes and processes.

2. R&D plant includes all costs -- direct, indirect, and related -- of all projects whose main objective is to provide support for the construction, acquisition, renovation, modification, repair, or rental of facilities, land, works, or equipment for use in S/E research and development. A facility is interpreted broadly to be any physical resource important to the conduct of research and development.

3. Facilities and equipment for instruction in the sciences/engineering includes all programs whose main purpose is to provide support for the construction, acquisition, renovation, modification, repair, or rental of facilities, land, works, or equipment for use in instruction in science and engineering.

4. Fellowships, traineeships, and training grants includes graduate programs in support of the development and maintenance of S/E personnel resources.

5. General support for science/engineering includes programs that support nonspecific or generalized purposes related to scientific research and education.

6. Other S/E activities includes all other obligations excluded from the six categories defined above but which represents direct funding (excluding loans) from a Federal agency to an academic institution for activities or purposes not specifically related to science and engineering.

Tables 11 through 23 are derived from the **Survey of Graduate Science and Engineering Students and Postdoctorates.** This survey is conducted annually and collects data from 618 graduate institutions offering courses of study at the post-baccalaureate level in any science or engineering field. There are 22 historically black colleges and universities included in this survey.

For further information on the academic science/engineering surveys' data availability, please contact NSF staff responsible for each survey stems as listed below:

Expenditures survey: Marge Machen (202) 634-4673
Federal Support Survey: Richard Bennof (202) 634-4636
Graduate Student Support: J.G. Huckenpahler (202) 634-4787

ACADEMIC SCIENCE/ENGINEERING SURVEY DISKETTES

The National Science Foundation (NSF) offers a free diskette service to thos who wish to obtain data resulting from the most recent surveys conducted by the Division of Science Resources Studies.

Each data set is released on 5-1/4" diskettes suitablele for use on IBM-compatible personal computers and is provided to the user upon receipt of the correct number of blank diskettes. All data sets contain the detailed statistical tables, technical notes, and a table of contents. Data sets are prepared in either standard ASCII format (including a table-printing program) or in LOTUS 1-2-3 (Release 1A) format. Some data sets are available in both formats. For further information concerning diskettes, contact NSF Diskette Service, RDS Systems, Inc., 6110 Executive Blvd., Suite 605, Rockville, Maryland 20852.

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Table 1.-- R&D EXPENDITURES AT HISTORICALLY BLACK COLLEGES AND UNIVERSITIES BY SOURCE OF FUNDS, CHARACTER OF WORK, AND SCIENCE/ENGINEERING FIELD: FISCAL YEARS 1980-87

(DOLLARS IN THOUSANDS)

SOURCE, CHARACTER, AND FIELD	1980	1981	1982	1983	1984	1985	1986	1987
TOTAL	41,414	42,355	48,357	52,710	61,387	62,818	71,401	71,937
SOURCE OF FUNDS:								
FEDERAL GOVERNMENT	34,643	36,368	39,277	45,009	54,499	57,951	60,458	60,024
STATE AND LOCAL GOVERNMENTS	1,660	1,493	3,672	1,709	816	1,107	1,062	2,390
INDUSTRY	809	470	552	634	794	1,354	1,742	1,580
INSTITUTIONAL FUNDS	2,518	2,965	3,688	3,729	3,645	1,528	6,658	6,752
ALL OTHER SOURCES	1,784	1,062	1,168	1,629	1,633	878	1,481	1,191
CHARACTER OF WORK:								
BASIC RESEARCH	28,428	27,685	36,159	37,872	45,066	51,032	57,288	56,065
APPLIED RESEARCH AND DEVELOPMENT	12,986	14,670	12,198	14,838	16,321	11,786	14,113	15,872
FIELD:								
ENGINEERING, TOTAL	1,819	2,422	2,278	2,596	3,968	5,067	6,861	6,332
AERONAUTICAL AND ASTRONAUTICAL	166	400	432	310	266	250	263	371
CHEMICAL	49	51	36	41	94	140	220	184
CIVIL	114	320	450	405	617	181	125	898
ELECTRICAL	331	968	840	1,189	1,689	1,119	1,467	2,123
MECHANICAL	348	520	386	294	592	1,002	1,619	1,912
OTHER, N.E.C.	811	163	144	357	710	2,375	3,167	844
ALL SCIENCES, TOTAL	39,595	39,933	46,079	50,114	57,419	57,751	64,540	65,605
PHYSICAL SCIENCES	4,849	5,609	6,533	7,520	10,897	12,054	13,669	13,845
ASTRONOMY	86	34	74	88	68	16	14	1
CHEMISTRY	3,806	4,369	4,722	5,142	7,738	7,820	9,173	7,904
PHYSICS	442	870	1,108	1,902	2,899	3,940	4,242	5,809
OTHER, N.E.C.	515	336	629	388	192	278	240	131
ENVIRONMENTAL SCIENCES	498	522	1,089	1,016	693	1,173	1,104	1,166
ATMOSPHERIC	26	33	27	34	22	21	0	0
EARTH SCIENCES	317	217	261	400	191	350	286	240
OCEANOGRAPHY	51	55	111	62	133	305	381	208
OTHER, N.E.C.	104	217	690	520	347	497	437	718
MATHEMATICAL SCIENCES	681	752	1,218	829	986	974	1,525	389
COMPUTER SCIENCES	344	251	402	225	295	431	476	731
LIFE SCIENCES	26,726	28,409	32,095	35,271	38,071	38,649	41,688	43,049
AGRICULTURAL SCIENCES	12,140	13,428	13,595	17,063	18,895	18,141	18,761	17,446
BIOLOGICAL SCIENCES	7,961	9,313	10,693	11,503	13,634	12,589	12,813	15,984
MEDICAL SCIENCES	3,150	1,586	2,259	3,235	3,323	7,226	9,235	8,520
OTHER, N.E.C.	3,475	4,082	5,548	3,470	3,219	693	879	1,099
PSYCHOLOGY	139	178	416	173	58	160	230	444
SOCIAL SCIENCES	5,683	3,350	2,758	4,307	5,855	3,769	5,074	4,621
ECONOMICS	1,430	1,179	631	1,797	3,830	1,229	551	209
POLITICAL SCIENCE	1,187	544	676	805	640	907	966	687
SOCIOLOGY	1,941	949	906	950	975	993	1,092	758
OTHER, N.E.C.	1,125	678	545	755	410	640	2,465	2,967
OTHER SCIENCES, N.E.C.	675	862	1,568	773	564	541	774	1,360

SOURCE: NATIONAL SCIENCE FOUNDATION, SRS

Table 2. -- FEDERALLY FINANCED R&D EXPENDITURES AT HISTORICALLY BLACK COLLEGES AND UNIVERSITIES BY CHARACTER OF WORK AND SCIENCE/ENGINEERING FIELD: FISCAL YEARS 1980-87

(DOLLARS IN THOUSANDS)

CHARACTER, AND FIELD	1980	1981	1982	1983	1984	1985	1986	1987
TOTAL	34,643	36,368	39,277	45,009	54,499	57,951	60,458	60,024
CHARACTER OF WORK:								
BASIC RESEARCH	24,060	24,137	29,591	33,363	40,284	46,841	47,569	44,981
APPLIED RESEARCH AND DEVELOPMENT	10,583	12,231	9,686	11,646	14,215	11,110	12,889	15,043
FIELD:								
ENGINEERING, TOTAL	1,233	2,231	2,066	2,135	3,237	4,362	4,912	4,331
AERONAUTICAL AND ASTRONAUTICAL	166	395	431	301	258	243	256	350
CHEMICAL	45	50	26	30	84	140	158	123
CIVIL	21	300	387	382	567	174	121	577
ELECTRICAL	192	890	743	933	1,498	962	1,031	1,381
MECHANICAL	291	475	346	233	457	878	1,279	1,480
OTHER, N.E.C.	518	121	133	256	373	1,965	2,067	420
ALL SCIENCES, TOTAL	33,410	34,137	37,211	42,874	51,262	53,589	55,546	55,693
PHYSICAL SCIENCES	4,242	4,858	5,328	6,517	10,032	11,258	11,556	12,246
ASTRONOMY	86	34	70	88	66	16	14	1
CHEMISTRY	3,264	3,721	4,034	4,480	7,073	7,277	7,343	6,614
PHYSICS	425	845	1,072	1,792	2,701	3,760	3,959	5,500
OTHER, N.E.C.	467	258	152	157	192	205	240	131
ENVIRONMENTAL SCIENCES	446	397	522	563	442	867	822	831
ATMOSPHERIC	21	24	18	26	17	19	0	0
EARTH SCIENCES	300	194	232	352	151	316	245	187
OCEANOGRAPHY	42	42	99	50	124	297	348	206
OTHER, N.E.C.	83	137	173	135	150	235	229	438
MATHEMATICAL SCIENCES	247	342	342	284	412	941	1,036	347
COMPUTER SCIENCES	147	91	123	192	288	425	455	672
LIFE SCIENCES	23,293	25,232	28,205	31,496	34,190	36,252	36,443	37,564
AGRICULTURAL SCIENCES	11,496	12,674	12,618	16,089	17,518	16,944	17,540	15,986
BIOLOGICAL SCIENCES	6,861	8,155	9,548	10,306	11,941	12,093	11,612	14,416
MEDICAL SCIENCES	2,609	1,357	1,908	2,581	1,940	6,553	6,461	6,083
OTHER, N.E.C.	2,327	3,046	4,131	2,520	2,791	662	830	1,079
PSYCHOLOGY	128	163	401	151	52	153	224	410
SOCIAL SCIENCES	4,282	2,350	1,722	3,387	5,347	3,180	4,273	2,383
ECONOMICS	1,408	1,067	549	1,713	3,693	1,171	449	136
POLITICAL SCIENCE	251	131	277	523	563	746	726	393
SOCIOLOGY	1,667	626	671	673	934	839	891	292
OTHER, N.E.C.	956	526	225	478	157	424	2,207	1,562
OTHER SCIENCES, N.E.C.	625	704	568	284	499	513	737	1,240

SOURCE: NATIONAL SCIENCE FOUNDATION, SRS

Table 3. -- NON-FEDERAL R&D EXPENDITURES AT HISTORICALLY BLACK COLLEGES AND UNIVERSITIES BY SOURCE OF FUNDS, CHARACTER OF WORK, AND SCIENCE/ENGINEERING FIELD: FISCAL YEARS 1980-87

(DOLLARS IN THOUSANDS)

SOURCE, CHARACTER, AND FIELD	1980	1981	1982	1983	1984	1985	1986	1987
TOTAL NON-FEDERAL	6,771	5,987	9,080	7,701	6,888	4,867	10,943	11,913
SOURCE OF FUNDS:								
STATE AND LOCAL GOVERNMENTS	1,660	1,493	3,672	1,709	816	1,107	1,062	2,390
INDUSTRY	809	470	552	634	794	1,354	1,742	1,580
INSTITUTIONAL FUNDS	2,518	2,962	3,688	3,759	3,645	1,528	6,658	6,752
ALL OTHER SOURCES	1,784	1,062	1,168	1,629	1,633	878	1,481	1,191
CHARACTER OF WORK:								
BASIC RESEARCH	4,368	3,548	6,568	4,509	4,782	4,191	9,719	11,084
APPLIED RESEARCH AND DEVELOPMENT	2,403	2,439	2,512	3,192	2,106	676	1,224	829
FIELD:								
ENGINEERING, TOTAL	586	191	212	461	731	705	1,949	2,001
AERONAUTICAL AND ASTRONAUTICAL	0	5	1	9	8	7	7	21
CHEMICAL	4	1	0	11	10	0	62	61
CIVIL	93	20	63	23	50	7	4	321
ELECTRICAL	139	78	97	256	191	157	436	742
MECHANICAL	57	45	40	61	135	124	340	432
OTHER, N.E.C.	293	42	11	101	337	410	1,100	424
ALL SCIENCES, TOTAL	6,185	5,796	8,868	7,240	6,157	4,162	8,994	9,912
PHYSICAL SCIENCES	607	751	1,205	1,003	865	796	2,113	1,599
ASTRONOMY	0	0	4	0	5	0	0	0
CHEMISTRY	542	648	688	662	665	543	1,830	1,290
PHYSICS	17	25	36	110	198	180	283	309
OTHER, N.E.C.	48	78	477	231	0	73	0	0
ENVIRONMENTAL SCIENCES	52	125	567	453	251	306	282	335
ATMOSPHERIC	5	9	9	8	5	2	0	0
EARTH SCIENCES	17	23	29	48	40	34	41	53
OCEANOGRAPHY	9	13	12	12	9	8	33	2
OTHER, N.E.C.	21	80	517	385	197	262	208	280
MATHEMATICAL SCIENCES	434	410	876	545	574	33	489	42
COMPUTER SCIENCES	197	160	279	33	7	6	21	59
LIFE SCIENCES	3,433	3,177	3,890	3,775	3,881	2,397	5,245	5,485
AGRICULTURAL SCIENCES	644	754	977	974	1,377	1,197	1,221	1,460
BIOLOGICAL SCIENCES	1,100	1,158	1,145	1,197	1,693	496	1,201	1,568
MEDICAL SCIENCES	541	229	351	654	383	673	2,774	2,437
OTHER, N.E.C.	1,148	1,036	1,417	950	428	31	49	20
PSYCHOLOGY	11	15	15	22	6	7	6	34
SOCIAL SCIENCES	1,401	1,000	1,036	920	508	589	801	2,238
ECONOMICS	22	112	82	84	137	58	102	73
POLITICAL SCIENCE	936	413	399	282	77	161	240	294
SOCIOLOGY	274	323	235	277	41	154	201	466
OTHER, N.E.C.	169	152	320	277	253	216	258	1,405
OTHER SCIENCES, N.E.C.	50	158	1,000	489	65	28	37	120

SOURCE: NATIONAL SCIENCE FOUNDATION, SRS

Table 4 — TOTAL AND FEDERALLY FINANCED R&D EXPENDITURES AT HISTORICALLY BLACK COLLEGES AND UNIVERSITIES: FISCAL YEARS 1984-87

(DOLLARS IN THOUSANDS)

INSTITUTIONAL RANKING	TOTAL				FEDERALLY FINANCED			
	1987	1986	1985	1984	1987	1986	1985	1984
TOTAL, ALL INSTITUTIONS	71,937	71,401	62,818	61,387	60,024	60,458	57,951	54,499
1 HOWARD UNIVERSITY	16,615	16,305	12,798	13,034	10,308	10,258E	11,721	11,098
2 FLORIDA A & M UNIVERSITY	9,364	8,401I	7,439	9,784	8,100	7,683I	7,266	8,341
3 MEHARRY MEDICAL COLLEGE	4,797	4,137I	3,477I	2,817I	4,414	3,759I	3,107I	2,455I
4 ATLANTA UNIVERSITY	4,556I	4,115I	3,711I	3,342	4,273I	3,890I	3,507I	3,175
5 ALABAMA A & M UNIVERSITY	4,534	3,986I	3,439I	2,892	4,356	3,830I	3,304I	2,778
6 NC AG & TECH STATE UNIV	4,461	5,754	4,938	4,689	3,603	4,763	4,373	4,124
7 TUSKEGEE UNIVERSITY	2,752	1,787I	822	910I	2,598	1,689I	781	890I
8 TENNESSEE STATE UNIV	2,719	2,661	2,422E	2,182	2,717	2,660	2,412E	2,164
9 JACKSON STATE UNIVERSITY	2,260	2,076I	1,896I	1,716I	2,040	1,862I	1,688I	1,514I
10 SOUTHERN U & A&M COLLEGE	2,196	2,845	3,191	3,068	2,196	2,715	3,071	3,023
TOTAL, 1ST 10 INSTS.	54,254	52,067	44,133	44,434	44,605	43,109	41,230	39,562
11 VIRGINIA STATE UNIVERSITY	2,138I	2,138I	2,116	2,293	2,058I	2,058I	2,026	2,293
12 KENTUCKY STATE UNIVERSITY	1,856	1,656I	1,456I	1,256	1,827	1,636I	1,446I	1,256
13 COL OF THE VIRGIN ISLANDS	1,586	1,760	1,312	1,231	962	1,043	742	581
14 SOUTH CAROLINA ST COLLEGE	1,560I	1,560I	1,544I	1,570I	1,560I	1,560I	1,544I	1,554I
15 U OF MD EASTERN SHORE	1,522	1,615	1,534I	1,455I	1,522	1,606	1,414I	1,223I
16 ALCORN STATE UNIVERSITY	1,501I	1,501I	1,485	1,359I	1,501I	1,501I	1,485	1,359I
17 PRAIRIE VIEW A & M UNIV	1,498	2,015I	2,531I	3,047I	1,334	1,824I	2,313I	2,802I
18 UNIVERSITY OF D C	1,485	2,371	2,172	1,362	738	1,706	1,508	678
19 TEXAS SOUTHERN UNIV	1,078I	1,078I	1,067	322	966I	966I	951	302
20 UNIV OF ARK PINE BLUFF	1,047	1,010	1,002	885	1,047	1,010	1,002	885
TOTAL, 1ST 20 INSTS.	69,525	68,771	60,352	59,214	58,120	58,019	55,661	52,495
21 FISK UNIVERSITY	862	732I	604I	476I	777	661I	545I	429I
22 MORGAN STATE UNIVERSITY	635	886	775I	665I	346	860	751I	645I
23 NORFOLK STATE UNIVERSITY	304	456	588	584I	266	456	588	584I
24 ALBANY STATE COLLEGE	263	207I	152I	97	263E	207I	152I	97
25 NORTH CAROLINA CNTRL UNIV	212I	212I	210I	214I	124I	124I	122I	116I
26 GRAMBLING STATE UNIV	136	137I	137I	137I	128	131I	132I	133I
27 DILLARD UNIVERSITY	0	0I	0I	0	0	0I	0I	0
28 LINCOLN UNIVERSITY (PA)	0I	0I	0I	0	0I	0I	0I	0
29 MISS VALLEY STATE UNIV	0	0I	0I	0	0	0I	0I	0
30 MOREHOUSE SCHOOL OF MED	0	0I	0I	0	0	0I	0I	0
TOTAL, 1ST 30 INSTS.	71,937	71,401	62,818	61,387	60,024	60,458	57,951	54,499

NOTES: A NUMBER OF INSTITUTIONS HAVE DEVELOPED OR ARE IN THE PROCESS OF DEVELOPING NEW COMPUTER SYSTEMS AND METHODOLOGIES THAT ENABLE THEM TO REPORT MORE ACCURATELY THE TOTAL COST OF SCIENCE AND ENGINEERING RESEARCH. FY 1987 COMPARISONS WITH DATA REPORTED IN EARLIER YEARS MAY BE INAPPROPRIATE IN SOME AREAS.

NUMBERS FOLLOWED BY THE LETTER "E" ARE ESTIMATED; NUMBERS FOLLOWED BY "I" ARE IMPUTED. "NA" INDICATES THAT DATA ARE NOT AVAILABLE; DASHES FOLLOWED BY "C" INDICATE CONFIDENTIAL DATA.

SOURCE: NATIONAL SCIENCE FOUNDATION, SRS

Table 5. — FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT TO HISTORICALLY BLACK COLLEGES, RANKED IN DESCENDING ORDER OF TOTAL AMOUNT RECEIVED: FISCAL YEARS 1980-87 1/

(DOLLARS IN THOUSANDS)

RANK	INSTITUTION (RANKED BY AMOUNT RECEIVED IN FISCAL YEAR 1987)	1980	1981	1982	1983	1984	1985	1986	1987
	TOTAL, ALL INSTITUTIONS	36,503	39,809	40,463	49,102	50,321	56,593	57,042	62,953
1	HOWARD UNIVERSITY	7,194	7,996	8,023	8,777	8,807	13,733	9,497	9,173
2	MEHARRY MEDICAL COLLEGE	1,151	1,072	980	1,791	1,335	2,641	3,024	5,197
3	ALABAMA A & M UNIVERSITY	1,787	1,640	1,485	1,730	2,632	2,488	2,660	3,580
4	NC AG & TECH STATE UNIV	2,157	2,964	2,606	3,789	3,609	3,191	3,620	3,421
5	TUSKEGEE INSTITUTE	2,620	1,812	1,836	3,515	3,021	2,524	3,021	3,027
6	TENNESSEE STATE UNIV	1,384	1,611	1,831	1,903	2,443	2,235	2,307	2,849
7	ATLANTA UNIVERSITY	503	991	1,004	1,747	1,586	3,220	3,283	2,594
8	FLORIDA A & M UNIVERSITY	859	1,120	1,160	1,301	1,725	2,633	2,368	2,526
9	PRAIRIE VIEW A & M UNIV	1,672	1,860	1,929	2,911	2,696	2,257	2,308	2,345
10	MOREHOUSE SCHOOL OF MED	-	-	-	315	733	335	1,628	2,188
	TOTAL 1ST 10 INSTITUTIONS	19,327	21,066	20,854	27,779	28,587	35,257	33,716	36,900
11	VIRGINIA STATE UNIVERSITY	1,242	1,198	1,285	1,754	1,426	1,769	1,863	1,906
12	KENTUCKY STATE UNIVERSITY	1,510	1,772	1,510	1,580	1,637	1,612	1,638	1,848
13	JACKSON STATE UNIVERSITY	528	825	929	1,075	939	435	1,279	1,827
14	HAMPTON INSTITUTE	596	498	629	998	992	1,160	1,326	1,729
15	SOUTHERN U & A&M COLLEGE	1,305	1,238	1,101	1,659	1,732	1,286	1,805	1,710
16	TEXAS SOUTHERN UNIV	337	72	296	222	760	304	1,415	1,511
17	LINCOLN UNIVERSITY (MO)	1,174	1,229	1,395	1,477	1,515	1,548	1,452	1,447
18	FORT VALLEY STATE COLLEGE	1,391	1,487	1,606	1,681	1,828	1,841	1,753	1,432
19	ALCORN STATE UNIVERSITY	1,196	1,220	1,312	1,382	1,365	1,191	1,348	1,338
20	SOUTH CAROLINA ST COLLEGE	924	1,025	1,091	1,137	1,188	996	1,112	1,189
	TOTAL 1ST 20 INSTITUTIONS	29,530	31,630	32,008	40,744	41,969	47,399	48,707	52,837
21	UNIV OF ARK PINE BLUFF	1,044	993	1,148	1,124	1,185	1,236	1,157	1,166
22	U OF MD EASTERN SHORE	891	1,006	806	1,325	762	779	776	1,152
23	LANGSTON UNIVERSITY	806	872	973	1,016	1,034	885	1,073	1,100
24	COL OF THE VIRGIN ISLANDS	650	878	890	1,067	599	931	916	1,026
25	MISS VALLEY STATE UNIV	49	0	0	0	31	0	0	828
26	UNIVERSITY OF D C	788	815	1,106	636	818	776	749	756
27	MORGAN STATE UNIVERSITY	172	306	312	760	372	813	274	517
28	DELAWARE STATE COLLEGE	423	1,031	455	491	508	455	441	461
29	FISK UNIVERSITY	65	107	62	90	384	264	934	443
30	LINCOLN UNIVERSITY (PA)	140	53	65	0	357	417	360	351
	TOTAL 1ST 30 INSTITUTIONS	34,558	37,691	37,825	47,253	48,019	53,955	55,387	60,637
31	NORTH CAROLINA CNTRL UNIV	331	572	201	75	141	534	0	344
32	GRAMBLING STATE UNIV	34	45	0	117	10	102	124	251
33	SPELMAN COLLEGE	70	52	27	0	204	129	33	215
34	XAVIER UNIVERSITY OF LA	98	29	139	12	149	130	90	210
35	NORFOLK STATE UNIVERSITY	56	25	0	83	114	35	82	143
36	SELMA UNIVERSITY	0	0	0	34	0	0	0	141
37	BOWIE STATE COLLEGE	78	125	110	112	150	300	70	130
38	ALBANY STATE COLLEGE	24	0	750	0	0	0	0	97
39	CLARK COLLEGE	280	86	25	220	167	90	80	92
40	WINSTON-SALEM STATE UNIV	0	0	0	0	0	92	112	91
	TOTAL 1ST 40 INSTITUTIONS	35,529	38,625	39,077	47,906	48,954	55,367	55,978	62,351
41	ALABAMA STATE UNIVERSITY	0	0	0	104	168	0	45	76
42	OAKWOOD COLLEGE	0	0	0	75	118	0	75	75
43	BISHOP COLLEGE	88	83	42	30	32	0	0	64
44	RUST COLLEGE	0	0	0	0	43	90	53	55
45	CLAFLIN COLLEGE	31	0	21	0	0	0	48	52
46	VOORHEES COLLEGE	0	50	0	0	0	0	85	48
47	PAINE COLLEGE	0	0	0	0	0	0	0	44
48	MOREHOUSE COLLEGE	233	693	685	546	313	558	392	43
49	DILLARD UNIVERSITY	0	0	0	10	100	93	27	41
50	BENNETT COLLEGE (NC)	0	0	0	0	0	0	0	40
	TOTAL 1ST 50 INSTITUTIONS	35,881	39,411	39,825	48,671	49,728	56,108	56,703	62,889

SEE FOOTNOTES AT END OF TABLE.

Table 5. — FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT TO HISTORICALLY BLACK COLLEGES, RANKED IN DESCENDING ORDER OF TOTAL AMOUNT RECEIVED: FISCAL YEARS 1980-87 1/

CONTINUED

(DOLLARS IN THOUSANDS)

RANK	INSTITUTION (RANKED BY AMOUNT RECEIVED IN FISCAL YEAR 1987)	1980	1981	1982	1983	1984	1985	1986	1987
51	BENEDICT COLLEGE	89	0	0	0	406	224	151	25
52	SAVANNAH STATE COLLEGE	23	93	71	0	0	0	0	19
53	LE MOYNE-OWEN COLLEGE	38	0	0	0	0	0	0	13
54	KNOXVILLE COLLEGE	0	0	0	0	0	0	7	7
	BARBER-SCOTIA COLLEGE	0	77	0	0	0	0	0	0
	BETHUNE COOKMAN COLLEGE	21	0	0	0	0	20	0	0
	CENTRAL STATE UNIVERSITY	0	0	169	72	52	106	0	0
	COAHOMA JUNIOR COLLEGE	0	0	0	50	0	0	0	0
	COPPIN STATE COLLEGE	49	32	114	20	85	0	0	0
	EDWARD WATERS COLLEGE	30	0	50	55	0	0	0	0
	TOTAL 1ST 60 INSTITUTIONS	36,131	39,613	40,229	48,868	50,271	56,458	56,861	62,953
	FAYETTEVILLE STATE UNIV	0	0	58	0	0	0	0	0
	FLORIDA MEMORIAL COLLEGE	50	0	0	72	0	0	0	0
	LANE COLLEGE	0	0	0	1	0	0	0	0
	LAWSON STATE CMTY COLLEGE	25	0	0	0	0	0	0	0
	LIVINGSTONE COLLEGE	64	0	0	0	0	0	0	0
	MORRIS BROWN COLLEGE	55	83	46	0	0	14	0	0
	PRENTISS NORM & IND INST	0	0	0	97	0	0	0	0
	SHAW COLLEGE AT DETROIT	0	0	0	64	0	0	0	0
	SHAW UNIVERSITY	0	1	0	0	0	0	85	0
	ST AUGUSTINES COLLEGE	0	62	100	0	50	0	0	0
	TOTAL 1ST 70 INSTITUTIONS	36,325	39,759	40,433	49,102	50,321	56,472	56,946	62,953
	TALLADEGA COLLEGE	100	0	30	0	0	0	0	0
	TOUGALOO COLLEGE	0	50	0	0	0	75	96	0
	U DC GA AVE & HARV ST CAM	-	-	-	-	0	46	0	0
	VIRGINIA UNION UNIVERSITY	68	0	0	0	0	0	0	0
	WILBERFORCE UNIVERSITY	10	0	0	0	0	0	0	0
	TOTAL 1ST 75 INSTITUTIONS	36,503	39,809	40,463	49,102	50,321	56,593	57,042	62,953

1/ INSTITUTIONS HAVING NO CURRENT YEAR OBLIGATIONS ARE LISTED IN ALPHABETICAL ORDER.

SOURCE: NATIONAL SCIENCE FOUNDATION, SRS

Table 6 — FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT TO HISTORICALLY BLACK COLLEGES, RANKED IN DESCENDING ORDER OF TOTAL AMOUNT RECEIVED, BY AGENCY: FISCAL YEAR 1987

(DOLLARS IN THOUSANDS)

RANK	INSTITUTION (RANKED BY AMOUNT RECEIVED)	TOTAL	USDA	COM	DOD	ED	DOE	EPA	HHS	INT	NASA	NSF	OTHER 1/
	TOTAL, ALL INSTITUTIONS	62,953	24,017	459	2,928	1,569	3,361	306	14,655	345	6,684	7,973	656
1	HOWARD UNIVERSITY	9,173	4	60	201	489	130	146	5,320	0	827	1,996	0
2	MEHARRY MEDICAL COLLEGE	5,197	0	0	440	0	75	0	2,468	0	0	2,214	0
3	ALABAMA A & M UNIVERSITY	3,580	1,366	0	100	77	386	0	73	0	1,293	285	0
4	NC AG & TECH STATE UNIV	3,421	2,058	0	142	203	194	0	125	0	258	237	204
5	TUSKEGEE INSTITUTE	3,027	1,268	0	440	77	200	0	161	0	786	75	20
6	TENNESSEE STATE UNIV	2,849	1,521	0	0	52	0	0	818	0	178	280	0
7	ATLANTA UNIVERSITY	2,594	16	80	779	52	289	0	1,007	0	371	0	0
8	FLORIDA A & M UNIVERSITY	2,526	947	0	152	65	182	0	1,065	0	94	21	0
9	PRAIRIE VIEW A & M UNIV	2,345	2,045	0	0	0	0	0	0	0	225	75	0
10	MOREHOUSE SCHOOL OF MED	2,188	0	0	0	0	0	68	2,120	0	0	0	0
	TOTAL 1ST 10 INSTITUTIONS	36,900	9,225	140	2,254	1,015	1,456	214	13,157	0	4,032	5,183	224
11	VIRGINIA STATE UNIVERSITY	1,906	1,316	0	0	0	19	0	0	0	211	360	0
12	KENTUCKY STATE UNIVERSITY	1,848	1,628	0	0	0	0	0	0	0	0	220	0
13	JACKSON STATE UNIVERSITY	1,827	13	0	82	0	930	0	42	0	151	521	88
14	HAMPTON INSTITUTE	1,729	0	100	50	131	134	0	0	20	934	360	0
15	SOUTHERN U & A&M COLLEGE	1,710	1,096	0	0	0	52	0	0	0	337	225	0
16	TEXAS SOUTHERN UNIV	1,511	0	0	0	129	101	0	930	0	16	335	0
17	LINCOLN UNIVERSITY (MO)	1,447	1,447	0	0	0	0	0	0	0	0	0	0
18	FORT VALLEY STATE COLLEGE	1,432	1,388	0	0	0	0	0	44	0	0	0	0
19	ALCORN STATE UNIVERSITY	1,338	1,338	0	0	0	0	0	0	0	0	0	0
20	SOUTH CAROLINA ST COLLEGE	1,189	1,112	0	0	77	0	0	0	0	0	0	0
	TOTAL 1ST 20 INSTITUTIONS	52,837	18,563	240	2,386	1,352	2,692	214	14,173	20	5,681	7,204	312
21	UNIV OF ARK PINE BLUFF	1,166	1,108	0	0	0	0	0	0	0	58	0	0
22	U OF MD EASTERN SHORE	1,152	741	0	0	26	0	0	0	25	0	360	0
23	LANGSTON UNIVERSITY	1,100	1,051	0	0	0	0	0	0	49	0	0	0
24	COL OF THE VIRGIN ISLANDS	1,026	824	0	0	0	0	0	0	105	0	97	0
25	MISS VALLEY STATE UNIV	828	728	100	0	0	0	0	0	0	0	0	0
26	UNIVERSITY OF D C	756	471	0	120	0	0	0	0	107	49	9	0
27	MORGAN STATE UNIVERSITY	517	0	0	0	0	0	0	0	0	367	75	75
28	DELAWARE STATE COLLEGE	461	461	0	0	0	0	0	0	0	0	0	0
29	FISK UNIVERSITY	443	0	0	0	0	99	0	0	0	194	0	150
30	LINCOLN UNIVERSITY (PA)	351	0	0	190	0	0	67	0	0	0	0	94
	TOTAL 1ST 30 INSTITUTIONS	60,637	23,947	340	2,696	1,378	2,791	281	14,173	306	6,349	7,745	631
31	NORTH CAROLINA CNTRL UNIV	344	29	0	62	103	63	25	62	0	0	0	0
32	GRAMBLING STATE UNIV	251	0	0	0	88	138	0	25	0	0	0	0
33	SPELMAN COLLEGE	215	0	0	80	0	0	0	0	0	97	38	0
34	XAVIER UNIVERSITY OF LA	210	0	100	90	0	0	0	20	0	0	0	0
35	NORFOLK STATE UNIVERSITY	143	0	0	0	0	0	0	35	0	108	0	0
36	SELMA UNIVERSITY	141	0	0	0	0	141	0	0	0	0	0	0
37	BOWIE STATE COLLEGE	130	0	0	0	0	0	0	0	0	130	0	0
38	ALBANY STATE COLLEGE	97	0	0	0	0	0	0	0	0	0	97	0
39	CLARK COLLEGE	92	0	0	0	0	92	0	0	0	0	0	0
40	WINSTON-SALEM STATE UNIV	91	0	0	0	0	29	0	62	0	0	0	0
	TOTAL 1ST 40 INSTITUTIONS	62,351	23,976	440	2,928	1,569	3,254	306	14,377	306	6,684	7,880	631
41	ALABAMA STATE UNIVERSITY	76	0	0	0	0	0	0	0	0	0	76	0
42	OAKWOOD COLLEGE	75	0	0	0	0	0	0	75	0	0	0	0
43	BISHOP COLLEGE	64	0	0	0	0	0	0	64	0	0	0	0
44	RUST COLLEGE	55	0	0	0	0	0	0	55	0	0	0	0
45	CLAFLIN COLLEGE	52	0	0	0	0	52	0	0	0	0	0	0
46	VOORHEES COLLEGE	48	0	0	0	0	48	0	0	0	0	0	0
47	PAINE COLLEGE	44	0	0	0	0	0	0	44	0	0	0	0
48	MOREHOUSE COLLEGE	43	0	0	0	0	0	0	0	39	0	4	0
49	DILLARD UNIVERSITY	41	41	0	0	0	0	0	0	0	0	0	0
50	BENNETT COLLEGE (NC)	40	0	0	0	0	0	0	40	0	0	0	0
	TOTAL 1ST 50 INSTITUTIONS	62,889	24,017	440	2,928	1,569	3,354	306	14,655	345	6,684	7,960	631
51	BENEDICT COLLEGE	25	0	0	0	0	0	0	0	0	0	0	25
52	SAVANNAH STATE COLLEGE	19	0	19	0	0	0	0	0	0	0	0	0
53	LE MOYNE-OWEN COLLEGE	13	0	0	0	0	0	0	0	0	0	13	0
54	KNOXVILLE COLLEGE	7	0	0	0	0	7	0	0	0	0	0	0
	TOTAL 1ST 54 INSTITUTIONS	62,953	24,017	459	2,928	1,569	3,361	306	14,655	345	6,684	7,973	656

1/ INCLUDES DOT, AID, HUD, LABOR, AND NRC.

SOURCE: NATIONAL SCIENCE FOUNDATION, SRS

Table 7 -- FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT TO HISTORICALLY BLACK COLLEGES, RANKED IN DESCENDING ORDER OF TOTAL AMOUNT RECEIVED, BY AREA OF SCIENCE/ENGINEERING: FISCAL YEAR 1987

(DOLLARS IN THOUSANDS)

RANK	INSTITUTION (RANKED BY AMOUNT RECEIVED)	TOTAL	ENGI-NEERING	PHYSICAL SCIENCES	MATH & COMPUTER SCIENCES	ENVIRON-MENTAL SCIENCES	LIFE SCIENCES	PSYCHOL-OGY	SOCIAL SCIENCES	OTHER SCIENCES, NEC
	TOTAL, ALL INSTITUTIONS	62,953	5,239	6,454	2,756	1,631	30,343	303	7,544	8,683
1	HOWARD UNIVERSITY	9,173	2,187	382	245	129	4,948	107	363	812
2	MEHARRY MEDICAL COLLEGE	5,197	0	0	0	0	4,139	0	50	1,008
3	ALABAMA A & M UNIVERSITY	3,580	712	526	100	15	1,653	0	290	284
4	NC AG & TECH STATE UNIV	3,421	544	130	109	18	1,445	0	953	222
5	TUSKEGEE INSTITUTE	3,027	249	370	420	400	1,209	0	177	202
6	TENNESSEE STATE UNIV	2,849	0	467	0	0	1,004	0	632	746
7	ATLANTA UNIVERSITY	2,594	85	753	454	0	34	0	165	1,103
8	FLORIDA A & M UNIVERSITY	2,526	35	475	0	0	842	0	39	1,135
9	PRAIRIE VIEW A & M UNIV	2,345	50	83	0	0	1,805	0	332	75
10	MOREHOUSE SCHOOL OF MED	2,188	0	0	0	0	1,369	72	0	747
	TOTAL 1ST 10 INSTITUTIONS	36,900	3,862	3,186	1,328	562	18,448	179	3,001	6,334
11	VIRGINIA STATE UNIVERSITY	1,906	19	571	0	0	892	0	424	0
12	KENTUCKY STATE UNIVERSITY	1,848	0	31	0	0	1,084	0	733	0
13	JACKSON STATE UNIVERSITY	1,827	358	403	531	22	324	0	114	75
14	HAMPTON INSTITUTE	1,729	300	640	143	290	0	0	128	228
15	SOUTHERN U & A&M COLLEGE	1,710	202	0	337	0	798	0	298	75
16	TEXAS SOUTHERN UNIV	1,511	38	285	0	0	73	0	0	1,115
17	LINCOLN UNIVERSITY (MO)	1,447	0	0	0	0	1,376	0	71	0
18	FORT VALLEY STATE COLLEGE	1,432	71	10	0	0	1,032	0	319	0
19	ALCORN STATE UNIVERSITY	1,338	0	44	0	0	792	0	502	0
20	SOUTH CAROLINA ST COLLEGE	1,189	0	0	0	0	467	0	645	77
	TOTAL 1ST 20 INSTITUTIONS	52,837	4,850	5,170	2,339	874	25,286	179	6,235	7,904
21	UNIV OF ARK PINE BLUFF	1,166	0	43	0	0	708	0	415	0
22	U OF MD EASTERN SHORE	1,152	0	267	0	285	342	0	157	101
23	LANGSTON UNIVERSITY	1,100	0	0	0	49	1,051	0	0	0
24	COL OF THE VIRGIN ISLANDS	1,026	33	0	0	202	761	0	30	0
25	MISS VALLEY STATE UNIV	828	0	0	0	0	728	0	100	0
26	UNIVERSITY OF D C	756	0	171	49	154	343	0	39	0
27	MORGAN STATE UNIVERSITY	517	75	367	0	0	0	0	75	0
28	DELAWARE STATE COLLEGE	461	0	0	0	0	410	0	51	0
29	FISK UNIVERSITY	443	150	194	0	0	67	0	0	32
30	LINCOLN UNIVERSITY (PA)	351	0	0	0	0	67	0	94	190
	TOTAL 1ST 30 INSTITUTIONS	60,637	5,108	6,212	2,388	1,564	29,763	179	7,196	8,227
31	NORTH CAROLINA CNTRL UNIV	344	0	63	0	0	116	62	0	103
32	GRAMBLING STATE UNIV	251	0	124	0	0	0	0	113	14
33	SPELMAN COLLEGE	215	0	0	97	38	80	0	0	0
34	XAVIER UNIVERSITY OF LA	210	0	0	0	0	20	0	100	90
35	NORFOLK STATE UNIVERSITY	143	0	55	53	0	0	0	35	0
36	SELMA UNIVERSITY	141	0	0	0	0	0	0	0	141
37	BOWIE STATE COLLEGE	130	0	0	130	0	0	0	0	0
38	ALBANY STATE COLLEGE	97	0	0	0	0	97	0	0	0
39	CLARK COLLEGE	92	92	0	0	0	0	0	0	0
40	WINSTON-SALEM STATE UNIV	91	0	0	0	29	0	62	0	0
	TOTAL 1ST 40 INSTITUTIONS	62,351	5,200	6,454	2,668	1,631	30,076	303	7,444	8,575
41	ALABAMA STATE UNIVERSITY	76	0	0	76	0	0	0	0	0
42	OAKWOOD COLLEGE	75	0	0	0	0	0	0	75	0
43	BISHOP COLLEGE	64	0	0	0	0	64	0	0	0
44	RUST COLLEGE	55	0	0	0	0	55	0	0	0
45	CLAFLIN COLLEGE	52	0	0	0	0	0	0	0	52
46	VOORHEES COLLEGE	48	0	0	0	0	0	0	0	48
47	PAINE COLLEGE	44	0	0	0	0	44	0	0	0
48	MOREHOUSE COLLEGE	43	39	0	0	0	4	0	0	0
49	DILLARD UNIVERSITY	41	0	0	0	0	41	0	0	0
50	BENNETT COLLEGE (NC)	40	0	0	0	0	40	0	0	0
	TOTAL 1ST 50 INSTITUTIONS	62,889	5,239	6,454	2,744	1,631	30,324	303	7,519	8,675
51	BENEDICT COLLEGE	25	0	0	0	0	0	0	25	0
52	SAVANNAH STATE COLLEGE	19	0	0	0	0	19	0	0	0
53	LE MOYNE-OWEN COLLEGE	13	0	0	12	0	0	0	0	1
54	KNOXVILLE COLLEGE	7	0	0	0	0	0	0	0	7
	TOTAL 1ST 54 INSTITUTIONS	62,953	5,239	6,454	2,756	1,631	30,343	303	7,544	8,683

SOURCE: NATIONAL SCIENCE FOUNDATION, SRS

Table 8 -- FEDERAL OBLIGATIONS TO HISTORICALLY BLACK COLLEGES, RANKED IN DESCENDING ORDER OF TOTAL AMOUNT RECEIVED: FISCAL YEARS 1980-87 1/

(DOLLARS IN THOUSANDS)

RANK	INSTITUTION (RANKED BY AMOUNT RECEIVED IN FISCAL YEAR 1987)	1980	1981	1982	1983	1984	1985	1986	1987
	TOTAL, ALL INSTITUTIONS	423,870	413,224	493,767	371,601	570,825	535,847	576,453	621,665
1	HOWARD UNIVERSITY	166,146	153,335	177,553	144,807	180,733	163,879	169,084	166,784
2	SOUTHERN U & A&M COLLEGE	9,981	9,234	11,367	8,486	17,155	16,943	14,850	22,651
3	TUSKEGEE INSTITUTE	10,038	10,416	8,700	16,362	23,242	13,681	14,281	20,021
4	NC AG & TECH STATE UNIV	8,046	8,376	8,890	10,367	11,331	10,542	11,396	18,757
5	JACKSON STATE UNIVERSITY	12,719	7,772	10,374	4,992	10,492	11,033	16,451	14,973
6	MEHARRY MEDICAL COLLEGE	14,334	16,477	11,795	11,852	8,944	9,904	8,779	13,788
7	PRAIRIE VIEW A & M UNIV	7,306	7,709	8,745	7,108	11,421	10,966	11,713	12,456
8	FLORIDA A & M UNIVERSITY	6,208	6,442	7,566	4,508	9,132	10,481	11,376	12,341
9	TENNESSEE STATE UNIV	7,951	7,927	9,516	12,357	15,046	14,756	11,982	11,959
10	KENTUCKY STATE UNIVERSITY	4,164	4,872	4,260	5,643	5,948	5,751	5,843	11,834
	TOTAL 1ST 10 INSTITUTIONS	246,893	232,560	258,766	226,482	293,444	267,936	275,755	305,564
11	ATLANTA UNIVERSITY	1,858	2,041	2,397	3,049	3,990	5,315	8,791	11,587
12	ALABAMA A & M UNIVERSITY	6,954	4,776	5,408	5,707	8,808	8,351	9,407	10,313
13	GRAMBLING STATE UNIV	3,055	3,394	5,087	3,605	7,602	7,432	12,073	9,826
14	TEXAS SOUTHERN UNIV	4,334	4,800	9,138	3,210	6,894	5,785	7,440	8,190
15	VIRGINIA STATE UNIVERSITY	5,732	4,992	5,903	5,243	7,503	8,258	12,084	8,066
16	UNIV OF ARK PINE BLUFF	3,911	3,450	5,379	3,609	5,644	6,158	7,137	7,708
17	NORFOLK STATE UNIVERSITY	3,789	4,714	10,026	5,974	6,261	6,815	7,254	7,704
18	SOUTH CAROLINA ST COLLEGE	6,270	3,917	6,915	4,629	7,330	9,341	9,055	7,626
19	BETHUNE COOKMAN COLLEGE	2,845	2,970	4,116	1,543	4,127	4,174	5,017	7,588
20	HAMPTON INSTITUTE	4,455	4,378	5,417	3,739	6,358	5,975	6,844	7,195
	TOTAL 1ST 20 INSTITUTIONS	290,096	271,992	318,552	266,790	357,961	335,540	360,857	391,367
21	ALCORN STATE UNIVERSITY	3,953	5,635	6,510	5,032	7,433	6,867	7,755	7,178
22	FORT VALLEY STATE COLLEGE	3,179	3,230	4,723	4,827	6,612	6,393	6,822	6,634
23	XAVIER UNIVERSITY OF LA	4,088	4,316	3,889	2,330	4,812	4,959	4,847	6,573
24	ALABAMA STATE UNIVERSITY	2,475	2,505	5,583	2,026	5,193	6,044	6,561	6,523
25	MISS VALLEY STATE UNIV	3,961	2,507	3,999	1,759	4,684	4,618	5,302	6,370
26	NORTH CAROLINA CNTRL UNIV	4,297	4,505	5,780	2,601	5,747	5,542	5,706	6,176
27	MOREHOUSE SCHOOL OF MED	-	-	-	1,249	6,503	1,125	2,562	5,648
28	LINCOLN UNIVERSITY (MO)	2,690	3,429	4,235	4,272	5,148	5,384	5,389	5,189
29	UNIVERSITY OF D C	2,194	5,853	6,500	2,271	6,478	6,256	6,621	5,129
30	MORGAN STATE UNIVERSITY	3,745	2,623	4,843	2,716	5,068	5,660	5,251	4,978
	TOTAL 1ST 30 INSTITUTIONS	320,678	306,595	364,614	295,873	415,639	388,388	417,673	451,765
31	COL OF THE VIRGIN ISLANDS	1,746	2,522	2,268	2,314	1,713	2,768	2,009	4,942
32	ST AUGUSTINES COLLEGE	2,991	2,400	3,593	3,846	7,179	4,018	4,286	4,802
33	BENEDICT COLLEGE	2,403	2,797	3,252	1,920	3,411	4,793	4,207	4,691
34	COPPIN STATE COLLEGE	2,276	2,662	2,595	1,164	3,248	3,039	3,794	4,649
35	MOREHOUSE COLLEGE	4,150	3,619	3,900	1,200	2,575	6,184	2,670	4,603
36	LANGSTON UNIVERSITY	2,944	2,657	2,978	2,839	4,264	4,196	4,645	4,592
37	FLORIDA MEMORIAL COLLEGE	1,234	1,789	1,576	879	3,290	3,475	3,921	4,423
38	CENTRAL STATE UNIVERSITY	3,153	2,591	3,271	1,756	4,040	4,759	4,773	4,063
39	CLARK COLLEGE	2,773	3,374	2,860	1,772	3,910	3,626	4,477	4,059
40	FAYETTEVILLE STATE UNIV	1,465	948	3,182	1,312	4,051	3,788	4,478	4,054
	TOTAL 1ST 40 INSTITUTIONS	345,813	331,954	394,089	314,875	453,320	429,034	456,933	496,643
41	WINSTON-SALEM STATE UNIV	2,405	3,302	2,920	1,084	3,787	3,692	4,002	4,027
42	MORRIS BROWN COLLEGE	2,626	2,193	2,827	1,026	3,084	2,625	3,551	3,960
43	WILBERFORCE UNIVERSITY	2,210	3,183	3,909	2,206	4,089	3,793	4,176	3,910
44	DILLARD UNIVERSITY	2,166	3,051	2,156	1,231	2,748	3,320	3,312	3,880
45	U OF MD EASTERN SHORE	2,725	2,761	2,771	3,181	4,178	3,909	3,945	3,874
46	STILLMAN COLLEGE	1,666	1,089	1,304	584	2,267	2,503	2,422	3,605
47	DELAWARE STATE COLLEGE	1,977	2,389	2,720	2,338	2,865	2,921	3,065	3,400
48	SHAW UNIVERSITY	2,293	1,694	3,226	1,618	3,086	2,985	3,814	3,191
49	FISK UNIVERSITY	1,811	2,159	1,666	1,186	2,142	2,568	3,329	3,148
50	LINCOLN UNIVERSITY (PA)	2,050	1,315	1,839	1,416	2,986	3,595	3,377	3,016
	TOTAL 1ST 50 INSTITUTIONS	367,742	355,090	419,427	330,745	484,552	460,945	491,926	532,654

SEE FOOTNOTES AT END OF TABLE.

Table 8 -- FEDERAL OBLIGATIONS TO HISTORICALLY BLACK COLLEGES, RANKED IN DESCENDING ORDER OF TOTAL AMOUNT RECEIVED: FISCAL YEARS 1980-87 1/

CONTINUED

(DOLLARS IN THOUSANDS)

RANK	INSTITUTION (RANKED BY AMOUNT RECEIVED IN FISCAL YEAR 1987)	1980	1981	1982	1983	1984	1985	1986	1987
51	ELIZABETH CITY STATE UNIV	1,788	1,700	3,875	912	2,963	2,704	3,157	3,010
52	SAVANNAH STATE COLLEGE	1,404	2,822	2,503	1,564	3,666	2,720	3,348	2,990
53	ALBANY STATE COLLEGE	1,534	2,290	3,399	2,092	3,007	2,654	3,472	2,976
54	RUST COLLEGE	1,758	2,472	2,095	1,146	1,986	3,285	3,377	2,969
55	LE MOYNE-OWEN COLLEGE	1,811	1,437	2,329	1,280	2,246	2,084	3,031	2,938
56	COAHOMA JUNIOR COLLEGE	1,005	1,591	1,866	3,268	2,564	345	314	2,932
57	JOHNSON C SMITH UNIV	2,051	1,439	2,531	1,085	2,629	3,754	3,055	2,856
58	VOORHEES COLLEGE	1,336	1,138	2,054	1,070	1,854	2,109	2,443	2,814
59	MORRIS COLLEGE	1,153	1,666	1,546	460	2,457	2,038	2,104	2,808
60	SPELMAN COLLEGE	1,296	1,951	1,623	553	2,450	2,364	2,597	2,793
	TOTAL 1ST 60 INSTITUTIONS	382,878	373,596	443,248	344,175	510,374	485,002	518,824	561,740
61	CLAFLIN COLLEGE	1,000	905	1,448	738	2,168	2,141	2,266	2,756
62	TALLADEGA COLLEGE	1,628	2,509	1,639	1,221	1,612	1,516	2,288	2,710
63	VIRGINIA UNION UNIVERSITY	1,666	1,132	2,148	887	2,555	2,115	2,738	2,635
64	TOUGALOO COLLEGE	1,880	2,826	2,253	1,364	2,265	2,474	3,082	2,630
65	LANE COLLEGE	3,024	1,133	1,958	787	2,211	2,406	2,016	2,567
66	CHEYNEY UNIV OF PENN	2,540	2,114	2,095	1,002	1,845	2,409	2,070	2,533
67	S D BISHOP ST JR COLLEGE	991	792	881	490	1,782	1,981	2,168	2,303
68	LAWSON STATE CMTY COLLEGE	1,616	1,165	2,098	1,546	2,273	1,890	2,231	2,223
69	KNOXVILLE COLLEGE	1,409	679	1,847	737	1,933	1,931	1,308	2,179
70	BENNETT COLLEGE (NC)	801	704	755	720	1,121	1,241	1,801	2,148
	TOTAL 1ST 70 INSTITUTIONS	399,433	387,555	460,370	353,667	530,139	505,106	540,792	586,424
71	PAINE COLLEGE	1,247	923	1,809	848	2,387	2,509	2,286	2,060
72	ST PAUL'S COL (VA)	744	695	1,820	716	1,433	1,486	1,659	2,040
73	EDWARD WATERS COLLEGE	939	932	3,531	992	2,196	1,769	4,935	2,025
74	BOWIE STATE COLLEGE	872	803	1,287	712	1,839	1,616	1,860	2,021
75	MILES COLLEGE	2,130	2,486	1,345	1,040	2,340	1,824	1,747	1,865
76	JARVIS CHRISTIAN COLLEGE	1,516	1,982	1,066	2,857	1,866	1,481	1,500	1,807
77	HUSTON-TILLOTSON COLLEGE	710	1,044	719	442	1,070	1,387	1,022	1,758
78	WILEY COLLEGE	833	1,077	1,263	454	1,582	1,453	1,325	1,737
79	MARY HOLMES COLLEGE	1,183	1,108	1,215	624	2,332	1,984	1,457	1,659
80	PHILANDER SMITH COLLEGE	806	1,499	927	509	1,236	1,180	1,374	1,654
	TOTAL 1ST 80 INSTITUTIONS	410,413	400,104	475,352	362,861	548,420	521,795	559,957	605,050
81	TEXAS COLLEGE	1,309	754	1,016	1,622	5,779	1,726	1,481	1,601
82	CONCORDIA COLLEGE	328	239	338	195	852	781	994	1,571
83	LIVINGSTONE COLLEGE	1,191	1,184	1,695	90	1,665	1,304	1,417	1,496
84	OAKWOOD COLLEGE	1,564	648	5,073	848	2,347	1,453	2,352	1,477
85	PAUL QUINN COLLEGE	838	1,206	1,100	2,134	1,365	1,298	1,404	1,420
86	BARBER-SCOTIA COLLEGE	751	1,019	824	444	1,232	1,102	1,266	1,296
87	SELMA UNIVERSITY	616	473	899	708	1,128	815	953	1,225
88	BISHOP COLLEGE	1,459	1,841	2,076	824	2,515	1,737	1,749	1,221
89	HINDS J CO DIST UTICA CAM	1,202	1,103	1,595	716	1,295	1,306	1,735	1,183
90	MORRISTOWN COLLEGE	348	190	332	89	624	485	757	872
	TOTAL 1ST 90 INSTITUTIONS	420,019	408,761	490,300	370,531	567,222	533,802	574,065	618,412
91	SOUTHWESTN CHRISTIAN COL	262	229	423	63	712	636	727	828
92	ARKANSAS BAPTIST COLLEGE	166	294	165	42	365	365	374	765
93	ALLEN UNIVERSITY	257	335	611	36	582	526	674	638
94	SHORTER COLLEGE	165	119	206	56	435	256	352	595
95	PRENTISS NORM & IND INST	279	287	0	257	333	205	182	320
96	INTERDENOMINA THEOL CTR	21	0	68	0	0	0	68	73
97	CLINTON JUNIOR COLLEGE	0	1	10	1	11	11	11	34
	FRIENDSHIP COLLEGE	190	174	0	-	0	0	-	-
	LOMAX-HANNON JR COLLEGE	182	131	207	166	0	0	0	0
	MISSISSIPPI INDUS COL	781	758	0	0	0	0	0	0
	TOTAL 1ST 100 INSTITUTIONS	422,322	411,089	491,990	0 371,152	569,660	535,801	576,453	621,665
	SHAW COLLEGE AT DETROIT	1,548	2,135	1,777	449	1,165	0	0	0
	U DC GA AVE & HARV ST CAM	-	-	-	-	0	46	0	0
	TOTAL 1ST 102 INSTITUTIONS	423,870	413,224	493,767	371,601	570,825	535,847	576,453	621,665

1/ INSTITUTIONS HAVING NO CURRENT YEAR OBLIGATIONS ARE LISTED IN ALPHABETICAL ORDER.

SOURCE: NATIONAL SCIENCE FOUNDATION, SRS

Table 9 — FEDERAL OBLIGATIONS TO HISTORICALLY BLACK COLLEGES, RANKED IN DESCENDING ORDER OF TOTAL AMOUNT RECEIVED, BY TYPE OF ACTIVITY: FISCAL YEAR 1987

(DOLLARS IN THOUSANDS)

RANK	INSTITUTION (RANKED BY TOTAL FEDERAL OBLIGATIONS)	TOTAL, ALL ACTIVITIES	ACADEMIC SCIENCE/ENGINEERING							NON-SCIENCE/ ENGINEERING
			TOTAL ACADEMIC SCIENCE/ ENGINEERING	RESEARCH AND DEVELOPMENT	R&D PLANT 1/	FACILITIES FOR INSTRUCTION IN SCIENCE/ ENG.	FELLOWSHIPS, TRAINEESHIPS, AND TRAINING GRANTS	GENERAL SUPPORT SCIENCE/ ENGINEERING	OTHER SCIENCE/ ENGINEERING	
	TOTAL, ALL INSTITUTIONS	621,665	143,830	62,953	23,130	5,294	7,825	24,313	20,315	477,835
1	HOWARD UNIVERSITY	166,784	17,676	9,173	0	5,000	523	2,860	120	149,108
2	SOUTHERN U & A&M COLLEGE	22,651	4,124	1,710	412	50	181	643	1,128	18,527
3	TUSKEGEE INSTITUTE	20,021	12,387	3,027	6,569	0	446	1,372	973	7,634
4	NC AG & TECH STATE UNIV	18,757	6,660	3,421	761	39	237	481	1,721	12,097
5	JACKSON STATE UNIVERSITY	14,973	3,247	1,827	0	0	284	1,136	0	11,726
6	MEHARRY MEDICAL COLLEGE	13,788	7,390	5,197	0	0	81	2,055	57	6,398
7	PRAIRIE VIEW A & M UNIV	12,456	5,568	2,345	1,331	0	107	162	1,623	6,888
8	FLORIDA A & M UNIVERSITY	12,341	5,206	2,526	226	0	576	1,059	819	7,135
9	TENNESSEE STATE UNIV	11,959	5,160	2,849	494	0	228	402	1,187	6,799
10	KENTUCKY STATE UNIVERSITY	11,834	3,696	1,848	272	8	103	187	1,278	8,138
	TOTAL 1ST 10 INSTITUTIONS	305,564	71,114	33,923	10,065	5,097	2,766	10,357	8,906	234,450
11	ATLANTA UNIVERSITY	11,587	10,416	2,594	7,500	0	154	168	0	1,171
12	ALABAMA A & M UNIVERSITY	10,313	5,935	3,580	761	0	267	211	1,116	4,378
13	GRAMBLING STATE UNIV	9,826	420	251	0	0	109	60	0	9,406
14	TEXAS SOUTHERN UNIV	8,190	1,980	1,511	0	0	122	6	341	6,210
15	VIRGINIA STATE UNIVERSITY	8,066	3,631	1,906	492	0	187	41	1,005	4,435
16	UNIV OF ARK PINE BLUFF	7,708	3,422	1,166	422	0	178	683	973	4,286
17	NORFOLK STATE UNIVERSITY	7,704	590	143	0	0	115	232	100	7,114
18	SOUTH CAROLINA ST COLLEGE	7,626	2,607	1,189	237	0	106	290	785	5,019
19	BETHUNE COOKMAN COLLEGE	7,588	494	0	0	0	105	389	0	7,094
20	HAMPTON INSTITUTE	7,195	2,428	1,729	0	0	188	511	0	4,767
	TOTAL 1ST 20 INSTITUTIONS	391,367	103,037	47,992	19,477	5,097	4,297	12,948	13,226	288,330
21	ALCORN STATE UNIVERSITY	7,178	2,784	1,338	359	0	102	0	985	4,394
22	FORT VALLEY STATE COLLEGE	6,634	3,425	1,432	666	19	105	0	1,203	3,209
23	XAVIER UNIVERSITY OF LA	6,573	1,750	210	500	0	281	759	0	4,823
24	ALABAMA STATE UNIVERSITY	6,523	679	76	0	0	143	460	0	5,844
25	MISS VALLEY STATE UNIV	6,370	872	828	0	0	0	44	0	5,498
26	NORTH CAROLINA CNTRL UNIV	6,176	1,061	344	0	0	200	517	0	5,115
27	MOREHOUSE SCHOOL OF MED	5,648	3,596	2,188	0	0	25	1,383	0	2,052
28	LINCOLN UNIVERSITY (MO)	5,189	3,570	1,447	519	0	103	183	1,318	1,619
29	UNIVERSITY OF D C	5,129	2,707	756	0	0	357	686	908	2,422
30	MORGAN STATE UNIVERSITY	4,978	1,001	517	0	50	378	0	56	3,977
	TOTAL 1ST 30 INSTITUTIONS	451,765	124,482	57,128	21,521	5,166	5,991	16,980	17,696	327,283
31	COL OF THE VIRGIN ISLANDS	4,942	1,927	1,026	0	18	5	139	739	3,015
32	ST AUGUSTINES COLLEGE	4,802	309	0	0	0	0	229	80	4,493
33	BENEDICT COLLEGE	4,691	666	25	0	0	5	636	0	4,025
34	COPPIN STATE COLLEGE	4,649	311	0	0	0	0	311	0	4,338
35	MOREHOUSE COLLEGE	4,603	136	43	0	46	0	47	0	4,467
36	LANGSTON UNIVERSITY	4,592	2,268	1,100	291	0	116	0	761	2,324
37	FLORIDA MEMORIAL COLLEGE	4,423	0	0	0	0	0	0	0	4,423
38	CENTRAL STATE UNIVERSITY	4,063	300	0	0	0	113	107	80	3,763
39	CLARK COLLEGE	4,059	734	92	0	0	0	642	0	3,325
40	FAYETTEVILLE STATE UNIV	4,054	386	0	0	0	0	386	0	3,668
	TOTAL 1ST 40 INSTITUTIONS	496,643	131,519	59,414	21,812	5,230	6,230	19,477	19,356	365,124
41	WINSTON-SALEM STATE UNIV	4,027	667	91	0	0	8	568	0	3,360
42	MORRIS BROWN COLLEGE	3,960	339	0	339	0	0	0	0	3,621
43	WILBERFORCE UNIVERSITY	3,910	30	0	0	0	30	0	0	3,880
44	DILLARD UNIVERSITY	3,880	364	41	0	0	66	257	0	3,516
45	U OF MD EASTERN SHORE	3,874	2,160	1,152	221	16	103	63	605	1,714
46	STILLMAN COLLEGE	3,605	263	0	0	0	87	176	0	3,342
47	DELAWARE STATE COLLEGE	3,400	1,621	461	333	0	102	431	294	1,779
48	SHAW UNIVERSITY	3,191	90	0	0	0	19	71	0	3,101
49	FISK UNIVERSITY	3,148	1,065	443	0	0	118	504	0	2,083
50	LINCOLN UNIVERSITY (PA)	3,016	699	351	0	0	113	175	60	2,317
	TOTAL 1ST 50 INSTITUTIONS	532,654	138,817	61,953	22,705	5,246	6,876	21,722	20,315	393,837

SEE FOOTNOTES AT END OF TABLE.

Table 9 — FEDERAL OBLIGATIONS TO HISTORICALLY BLACK COLLEGES, RANKED IN DESCENDING ORDER OF TOTAL AMOUNT RECEIVED, BY TYPE OF ACTIVITY: FISCAL YEAR 1987

CONTINUED

(DOLLARS IN THOUSANDS)

RANK	INSTITUTION (RANKED BY TOTAL FEDERAL OBLIGATIONS)	TOTAL, ALL ACTIVITIES	ACADEMIC SCIENCE/ENGINEERING						NON-SCIENCE/ENGINEERING
			TOTAL ACADEMIC SCIENCE/ENGINEERING	RESEARCH AND DEVELOPMENT	R&D PLANT 1/	FACILITIES FOR INSTRUCTION IN SCIENCE/ENG.	FELLOWSHIPS, TRAINEESHIPS, AND TRAINING GRANTS	GENERAL SUPPORT SCIENCE/ENGINEERING	OTHER SCIENCE/ENGINEERING	
51	ELIZABETH CITY STATE UNIV	3,010	0	0	0	0	0	0	0	3,010
52	SAVANNAH STATE COLLEGE	2,990	160	19	0	0	87	54	0	2,830
53	ALBANY STATE COLLEGE	2,976	271	97	0	0	0	174	0	2,705
54	RUST COLLEGE	2,969	151	55	0	0	0	96	0	2,818
55	LE MOYNE-OWEN COLLEGE	2,938	13	13	0	0	0	0	0	2,925
56	COAHOMA JUNIOR COLLEGE	2,932	31	0	0	0	31	0	0	2,901
57	JOHNSON C SMITH UNIV	2,856	399	0	0	18	114	267	0	2,457
58	VOORHEES COLLEGE	2,814	341	48	0	0	0	293	0	2,473
59	MORRIS COLLEGE	2,808	0	0	0	0	0	0	0	2,808
60	SPELMAN COLLEGE	2,793	637	215	0	0	199	223	0	2,156
	TOTAL 1ST 60 INSTITUTIONS	561,740	140,820	62,400	22,705	5,264	7,307	22,829	20,315	420,920
61	CLAFLIN COLLEGE	2,756	52	52	0	0	0	0	0	2,704
62	TALLADEGA COLLEGE	2,710	656	0	0	0	188	468	0	2,054
63	VIRGINIA UNION UNIVERSITY	2,635	0	0	0	0	0	0	0	2,635
64	TOUGALOO COLLEGE	2,630	299	0	0	0	174	125	0	2,331
65	LANE COLLEGE	2,567	9	0	0	0	9	0	0	2,558
66	CHEYNEY UNIV OF PENN	2,533	0	0	0	0	0	0	0	2,533
67	S D BISHOP ST JR COLLEGE	2,303	203	0	0	0	0	203	0	2,100
68	LAWSON STATE CMTY COLLEGE	2,223	0	0	0	0	0	0	0	2,223
69	KNOXVILLE COLLEGE	2,179	7	7	0	0	0	0	0	2,172
70	BENNETT COLLEGE (NC)	2,148	253	40	0	0	139	74	0	1,895
	TOTAL 1ST 70 INSTITUTIONS	586,424	142,299	62,499	22,705	5,264	7,817	23,699	20,315	444,125
71	PAINE COLLEGE	2,060	74	44	0	30	0	0	0	1,986
72	ST PAUL'S COL (VA)	2,040	425	0	425	0	0	0	0	1,615
73	EDWARD WATERS COLLEGE	2,025	0	0	0	0	0	0	0	2,025
74	BOWIE STATE COLLEGE	2,021	130	130	0	0	0	0	0	1,891
75	MILES COLLEGE	1,865	0	0	0	0	0	0	0	1,865
76	JARVIS CHRISTIAN COLLEGE	1,807	0	0	0	0	0	0	0	1,807
77	HUSTON-TILLOTSON COLLEGE	1,758	47	0	0	0	0	47	0	1,711
78	WILEY COLLEGE	1,737	0	0	0	0	0	0	0	1,737
79	MARY HOLMES COLLEGE	1,659	0	0	0	0	0	0	0	1,659
80	PHILANDER SMITH COLLEGE	1,654	242	0	0	0	0	242	0	1,412
	TOTAL 1ST 80 INSTITUTIONS	605,050	143,217	62,673	23,130	5,294	7,817	23,988	20,315	461,833
81	TEXAS COLLEGE	1,601	0	0	0	0	0	0	0	1,601
82	CONCORDIA COLLEGE	1,571	0	0	0	0	0	0	0	1,571
83	LIVINGSTONE COLLEGE	1,496	0	0	0	0	0	0	0	1,496
84	OAKWOOD COLLEGE	1,477	75	75	0	0	0	0	0	1,402
85	PAUL QUINN COLLEGE	1,420	8	0	0	0	8	0	0	1,412
86	BARBER-SCOTIA COLLEGE	1,296	0	0	0	0	0	0	0	1,296
87	SELMA UNIVERSITY	1,225	407	141	0	0	0	266	0	818
88	BISHOP COLLEGE	1,221	123	64	0	0	0	59	0	1,098
89	HINDS J CO DIST UTICA CAM	1,183	0	0	0	0	0	0	0	1,183
90	MORRISTOWN COLLEGE	872	0	0	0	0	0	0	0	872
	TOTAL 1ST 90 INSTITUTIONS	618,412	143,830	62,953	23,130	5,294	7,825	24,313	20,315	474,582
91	SOUTHWESTN CHRISTIAN COL	828	0	0	0	0	0	0	0	828
92	ARKANSAS BAPTIST COLLEGE	765	0	0	0	0	0	0	0	765
93	ALLEN UNIVERSITY	638	0	0	0	0	0	0	0	638
94	SHORTER COLLEGE	595	0	0	0	0	0	0	0	595
95	PRENTISS NORM & IND INST	320	0	0	0	0	0	0	0	320
96	INTERDENOMINA THEOL CTR	73	0	0	0	0	0	0	0	73
97	CLINTON JUNIOR COLLEGE	34	0	0	0	0	0	0	0	34
	TOTAL 1ST 97 INSTITUTIONS	621,665	143,830	62,953	23,130	5,294	7,825	24,313	20,315	477,835

1/ SEE TECHNICAL NOTES, SCOPE OF SURVEY.

SOURCE: NATIONAL SCIENCE FOUNDATION, SRS

Table 10— FEDERAL OBLIGATIONS TO HISTORICALLY BLACK COLLEGES, RANKED IN DESCENDING ORDER OF TOTAL AMOUNT RECEIVED, BY AGENCY: FISCAL YEAR 1987

(DOLLARS IN THOUSANDS)

RANK	INSTITUTION (RANKED BY AMOUNT RECEIVED)	TOTAL	USDA	COM	DOD	ED	DOE	EPA	HHS	INT	NASA	NSF	OTHER 1/
	TOTAL, ALL INSTITUTIONS	621,665	58,444	459	4,318	476,326	10,906	602	52,792	345	8,259	8,303	911
1	HOWARD UNIVERSITY	166,784	4	60	271	153,044	130	178	10,138	0	875	2,032	52
2	SOUTHERN U & A&M COLLEGE	22,651	2,348	0	100	18,527	52	8	714	0	627	275	0
3	TUSKEGEE INSTITUTE	20,021	8,879	0	500	6,578	200	0	2,965	0	804	75	20
4	NC AG & TECH STATE UNIV	18,757	4,587	0	212	12,160	194	0	658	0	316	276	354
5	JACKSON STATE UNIVERSITY	14,973	13	0	82	11,994	930	0	1,142	0	151	521	140
6	MEHARRY MEDICAL COLLEGE	13,788	0	0	440	1,270	75	0	9,789	0	0	2,214	0
7	PRAIRIE VIEW A & M UNIV	12,456	5,074	0	80	6,557	0	5	440	0	225	75	0
8	FLORIDA A & M UNIVERSITY	12,341	2,035	0	232	6,898	182	0	2,512	0	461	21	0
9	TENNESSEE STATE UNIV	11,959	3,318	0	0	6,838	0	6	1,339	0	178	280	0
10	KENTUCKY STATE UNIVERSITY	11,834	3,281	0	0	8,298	0	0	27	0	0	228	0
	TOTAL 1ST 10 INSTITUTIONS	305,564	29,539	60	1,917	232,164	1,763	197	29,724	0	3,637	5,997	566
11	ATLANTA UNIVERSITY	11,587	16	80	779	1,391	7,789	0	1,161	0	371	0	0
12	ALABAMA A & M UNIVERSITY	10,313	3,156	0	290	4,526	386	9	330	0	1,331	285	0
13	GRAMBLING STATE UNIV	9,826	0	0	0	9,554	138	6	128	0	0	0	0
14	TEXAS SOUTHERN UNIV	8,190	0	0	0	6,483	101	0	1,255	0	16	335	0
15	VIRGINIA STATE UNIVERSITY	8,066	2,916	0	0	4,362	19	4	177	0	228	360	0
16	UNIV OF ARK PINE BLUFF	7,708	2,426	0	180	4,566	0	3	475	0	58	0	0
17	NORFOLK STATE UNIVERSITY	7,704	0	0	100	7,015	0	0	481	0	108	0	0
18	SOUTH CAROLINA ST COLLEGE	7,626	2,236	0	0	5,203	0	4	183	0	0	0	0
19	BETHUNE COOKMAN COLLEGE	7,588	0	0	0	7,094	0	0	494	0	0	0	0
20	HAMPTON INSTITUTE	7,195	0	100	50	4,157	134	11	1,414	20	949	360	0
	TOTAL 1ST 20 INSTITUTIONS	391,367	40,289	240	3,316	286,515	10,330	234	35,822	20	6,698	7,337	566
21	ALCORN STATE UNIVERSITY	7,178	2,704	0	80	4,394	0	0	0	0	0	0	0
22	FORT VALLEY STATE COLLEGE	6,634	3,209	0	150	3,209	0	3	44	0	0	19	0
23	XAVIER UNIVERSITY OF LA	6,573	0	100	90	4,826	0	58	1,464	0	35	0	0
24	ALABAMA STATE UNIVERSITY	6,523	0	0	0	5,844	0	0	603	0	0	76	0
25	MISS VALLEY STATE UNIV	6,370	728	100	0	5,498	0	0	44	0	0	0	0
26	NORTH CAROLINA CNTRL UNIV	6,176	29	0	62	5,320	63	27	675	0	0	0	0
27	MOREHOUSE SCHOOL OF MED	5,648	0	0	0	0	0	68	5,580	0	0	0	0
28	LINCOLN UNIVERSITY (MO)	5,189	3,317	0	70	1,619	0	0	183	0	0	0	0
29	UNIVERSITY OF D C	5,129	1,481	0	120	2,582	0	4	613	107	212	9	1
30	MORGAN STATE UNIVERSITY	4,978	0	0	0	3,977	0	0	207	0	594	125	75
	TOTAL 1ST 30 INSTITUTIONS	451,765	51,757	440	3,888	323,784	10,393	394	45,235	127	7,539	7,566	642
31	COL OF THE VIRGIN ISLANDS	4,942	1,563	0	0	3,015	0	0	144	105	0	115	0
32	ST AUGUSTINES COLLEGE	4,802	0	0	80	4,682	0	0	40	0	0	0	0
33	BENEDICT COLLEGE	4,691	0	0	0	4,025	0	5	636	0	0	0	25
34	COPPIN STATE COLLEGE	4,649	0	0	0	4,489	0	0	160	0	0	0	0
35	MOREHOUSE COLLEGE	4,603	0	0	0	4,417	0	0	97	39	0	50	0
36	LANGSTON UNIVERSITY	4,592	2,206	0	0	2,324	0	0	13	49	0	0	0
37	FLORIDA MEMORIAL COLLEGE	4,423	0	0	0	4,423	0	0	0	0	0	0	0
38	CENTRAL STATE UNIVERSITY	4,063	0	0	80	3,763	0	0	220	0	0	0	0
39	CLARK COLLEGE	4,059	0	0	0	3,648	92	0	319	0	0	0	0
40	FAYETTEVILLE STATE UNIV	4,054	0	0	0	3,722	0	0	332	0	0	0	0
	TOTAL 1ST 40 INSTITUTIONS	496,643	55,526	440	4,048	362,292	10,485	399	47,196	320	7,539	7,731	667
41	WINSTON-SALEM STATE UNIV	4,027	0	0	0	3,475	29	8	515	0	0	0	0
42	MORRIS BROWN COLLEGE	3,960	0	0	0	3,960	0	0	0	0	0	0	0
43	WILBERFORCE UNIVERSITY	3,910	0	0	0	3,880	0	30	0	0	0	0	0
44	DILLARD UNIVERSITY	3,880	41	0	0	3,516	0	66	257	0	0	0	0
45	U OF MD EASTERN SHORE	3,874	1,681	0	0	1,752	0	0	0	25	40	376	0
46	STILLMAN COLLEGE	3,605	0	0	0	3,392	0	0	213	0	0	0	0
47	DELAWARE STATE COLLEGE	3,400	1,196	0	0	1,706	0	0	498	0	0	0	0
48	SHAW UNIVERSITY	3,191	0	0	0	3,021	0	6	164	0	0	0	0
49	FISK UNIVERSITY	3,148	0	0	0	2,308	99	0	397	0	194	0	150
50	LINCOLN UNIVERSITY (PA)	3,016	0	0	190	2,396	0	76	200	0	60	0	94
	TOTAL 1ST 50 INSTITUTIONS	532,654	58,444	440	4,238	391,698	10,613	585	49,440	345	7,833	8,107	911

SEE FOOTNOTES AT END OF TABLE.

Table 10 -- FEDERAL OBLIGATIONS TO HISTORICALLY BLACK COLLEGES, RANKED IN DESCENDING ORDER OF TOTAL AMOUNT RECEIVED, BY AGENCY: FISCAL YEAR 1987

CONTINUED

(DOLLARS IN THOUSANDS)

RANK	INSTITUTION (RANKED BY AMOUNT RECEIVED)	TOTAL	USDA	COM	DOD	ED	DOE	EPA	HHS	INT	NASA	NSF	OTHER 1/
51	ELIZABETH CITY STATE UNIV	3,010	0	0	0	3,010	0	0	0	0	0	0	0
52	SAVANNAH STATE COLLEGE	2,990	0	19	0	2,878	0	0	93	0	0	0	0
53	ALBANY STATE COLLEGE	2,976	0	0	0	2,705	0	0	174	0	0	97	0
54	RUST COLLEGE	2,969	0	0	0	2,818	0	0	151	0	0	0	0
55	LE MOYNE-OWEN COLLEGE	2,938	0	0	0	2,925	0	0	0	0	0	13	0
56	COAHOMA JUNIOR COLLEGE	2,932	0	0	0	2,901	31	0	0	0	0	0	0
57	JOHNSON C SMITH UNIV	2,856	0	0	0	2,457	0	0	381	0	0	18	0
58	VOORHEES COLLEGE	2,814	0	0	0	2,687	48	0	79	0	0	0	0
59	MORRIS COLLEGE	2,808	0	0	0	2,808	0	0	0	0	0	0	0
60	SPELMAN COLLEGE	2,793	0	0	80	2,053	0	0	326	0	296	38	0
TOTAL 1ST	60 INSTITUTIONS	561,740	58,444	459	4,318	418,940	10,692	585	50,644	345	8,129	8,273	911
61	CLAFLIN COLLEGE	2,756	0	0	0	2,704	52	0	0	0	0	0	0
62	TALLADEGA COLLEGE	2,710	0	0	0	2,307	0	0	403	0	0	0	0
63	VIRGINIA UNION UNIVERSITY	2,635	0	0	0	2,635	0	0	0	0	0	0	0
64	TOUGALOO COLLEGE	2,630	0	0	0	2,152	0	0	478	0	0	0	0
65	LANE COLLEGE	2,567	0	0	0	2,558	0	9	0	0	0	0	0
66	CHEYNEY UNIV OF PENN	2,533	0	0	0	2,533	0	0	0	0	0	0	0
67	S D BISHOP ST JR COLLEGE	2,303	0	0	0	2,117	0	0	186	0	0	0	0
68	LAWSON STATE CMTY COLLEGE	2,223	0	0	0	2,223	0	0	0	0	0	0	0
69	KNOXVILLE COLLEGE	2,179	0	0	0	2,172	7	0	0	0	0	0	0
70	BENNETT COLLEGE (NC)	2,148	0	0	0	1,805	14	0	329	0	0	0	0
TOTAL 1ST	70 INSTITUTIONS	586,424	58,444	459	4,318	442,146	10,765	594	52,040	345	8,129	8,273	911
71	PAINE COLLEGE	2,060	0	0	0	1,986	0	0	44	0	0	30	0
72	ST PAUL'S COL (VA)	2,040	0	0	0	2,040	0	0	0	0	0	0	0
73	EDWARD WATERS COLLEGE	2,025	0	0	0	2,025	0	0	0	0	0	0	0
74	BOWIE STATE COLLEGE	2,021	0	0	0	1,891	0	0	0	0	130	0	0
75	MILES COLLEGE	1,865	0	0	0	1,814	0	0	51	0	0	0	0
76	JARVIS CHRISTIAN COLLEGE	1,807	0	0	0	1,807	0	0	0	0	0	0	0
77	HUSTON-TILLOTSON COLLEGE	1,758	0	0	0	1,758	0	0	0	0	0	0	0
78	WILEY COLLEGE	1,737	0	0	0	1,737	0	0	0	0	0	0	0
79	MARY HOLMES COLLEGE	1,659	0	0	0	1,659	0	0	0	0	0	0	0
80	PHILANDER SMITH COLLEGE	1,654	0	0	0	1,461	0	0	193	0	0	0	0
TOTAL 1ST	80 INSTITUTIONS	605,050	58,444	459	4,318	460,324	10,765	594	52,328	345	8,259	8,303	911
81	TEXAS COLLEGE	1,601	0	0	0	1,601	0	0	0	0	0	0	0
82	CONCORDIA COLLEGE	1,571	0	0	0	1,571	0	0	0	0	0	0	0
83	LIVINGSTONE COLLEGE	1,496	0	0	0	1,496	0	0	0	0	0	0	0
84	OAKWOOD COLLEGE	1,477	0	0	0	1,402	0	0	75	0	0	0	0
85	PAUL QUINN COLLEGE	1,420	0	0	0	1,412	0	8	0	0	0	0	0
86	BARBER-SCOTIA COLLEGE	1,296	0	0	0	1,296	0	0	0	0	0	0	0
87	SELMA UNIVERSITY	1,225	0	0	0	818	141	0	266	0	0	0	0
88	BISHOP COLLEGE	1,221	0	0	0	1,098	0	0	123	0	0	0	0
89	HINDS J CO DIST UTICA CAM	1,183	0	0	0	1,183	0	0	0	0	0	0	0
90	MORRISTOWN COLLEGE	872	0	0	0	872	0	0	0	0	0	0	0
TOTAL 1ST	90 INSTITUTIONS	618,412	58,444	459	4,318	473,073	10,906	602	52,792	345	8,259	8,303	911
91	SOUTHWESTN CHRISTIAN COL	828	0	0	0	828	0	0	0	0	0	0	0
92	ARKANSAS BAPTIST COLLEGE	765	0	0	0	765	0	0	0	0	0	0	0
93	ALLEN UNIVERSITY	638	0	0	0	638	0	0	0	0	0	0	0
94	SHORTER COLLEGE	595	0	0	0	595	0	0	0	0	0	0	0
95	PRENTISS NORM & IND INST	320	0	0	0	320	0	0	0	0	0	0	0
96	INTERDENOMINA THEOL CTR	73	0	0	0	73	0	0	0	0	0	0	0
97	CLINTON JUNIOR COLLEGE	34	0	0	0	34	0	0	0	0	0	0	0
TOTAL 1ST	97 INSTITUTIONS	621,665	58,444	459	4,318	476,326	10,906	602	52,792	345	8,259	8,303	911

1/ INCLUDES DOT, AID, HUD, LABOR, AND NRC.

SOURCE: NATIONAL SCIENCE FOUNDATION, SRS

Table 11 -- SCIENCE/ENGINEERING GRADUATE STUDENTS IN HISTORICALLY BLACK COLLEGES AND UNIVERSITIES BY FIELD, TYPE OF CONTROL, AND ENROLLMENT STATUS: 1987

FIELD	PUBLIC INSTITUTIONS			PRIVATE INSTITUTIONS		
	TOTAL	FULL TIME	PART TIME	TOTAL	FULL TIME	PART TIME
TOTAL, ALL FIELDS	1,658	1,011	647	1,648	1,171	477
ENGINEERING	203	144	59	172	139	33
AEROSPACE	0	0	0	0	0	0
AGRICULTURAL	0	0	0	0	0	0
BIOMEDICAL	0	0	0	0	0	0
CHEMICAL	0	0	0	0	0	0
CIVIL	19	13	6	33	22	11
ELECTRICAL	55	47	8	74	57	17
ENGINEERING SCIENCE	0	0	0	0	0	0
INDUSTRIAL	10	10	0	0	0	0
MECHANICAL	0	0	0	65	60	5
METALLURGICAL/MATERIALS	0	0	0	0	0	0
MINING	0	0	0	0	0	0
NUCLEAR	0	0	0	0	0	0
PETROLEUM	0	0	0	0	0	0
ENGINEERING, N.E.C.	119	74	45	0	0	0
SCIENCES, TOTAL	1,455	867	588	1,476	1,032	444
PHYSICAL SCIENCES	141	106	35	159	138	21
ASTRONOMY	0	0	0	0	0	0
CHEMISTRY	97	76	21	100	89	11
PHYSICS	41	28	13	59	49	10
PHYSICAL SCIENCES, N.E.C.	3	2	1	0	0	0
ENVIRONMENTAL SCIENCES	4	4	0	12	5	7
ATMOSPHERIC SCIENCES	0	0	0	0	0	0
GEOSCIENCES	4	4	0	12	5	7
OCEANOGRAPHY	0	0	0	0	0	0
ENVIRONMENTAL SCIENCES, N.E.C.	0	0	0	0	0	0
MATHEMATICAL SCIENCES	126	70	56	133	98	35
COMPUTER SCIENCES	177	115	62	52	48	4
LIFE SCIENCES	302	215	87	319	263	56
AGRICULTURAL SCIENCES	36	21	15	16	15	1
BIOLOGICAL SCIENCES	205	145	60	204	180	24
ANATOMY	0	0	0	6	6	0
BIOCHEMISTRY	0	0	0	12	12	0
BIOLOGY	145	90	55	62	49	13
BIOMETRY/EPIDEMIOLOGY	0	0	0	0	0	0
BIOPHYSICS	0	0	0	0	0	0
BOTANY	15	15	0	17	11	6
CELL BIOLOGY	0	0	0	0	0	0
ECOLOGY	0	0	0	0	0	0
ENTOMOLOGY/PARASITOLOGY	0	0	0	0	0	0
GENETICS	0	0	0	25	25	0
MICROBIOLOGY	0	0	0	10	10	0
NUTRITION	35	34	1	0	0	0
PATHOLOGY	0	0	0	0	0	0
PHARMACOLOGY	0	0	0	12	12	0
PHYSIOLOGY	0	0	0	22	22	0
ZOOLOGY	0	0	0	23	18	5
BIOSCIENCES, N.E.C.	10	6	4	15	15	0
HEALTH SCIENCES	61	49	12	99	68	31
DENTISTRY	0	0	0	0	0	0
NEUROLOGY	0	0	0	0	0	0
NURSING	0	0	0	50	31	19
PHARMACEUTICAL SCIENCES	14	14	0	0	0	0
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	0	0	0	0	0	0
SPEECH PATHOLOGY/AUDIOLOGY	47	35	12	20	11	9
VETERINARY SCIENCES	0	0	0	20	17	3
CLINICAL MEDICINE, N.E.C.	0	0	0	0	0	0
HEALTH RELATED, N.E.C.	0	0	0	9	9	0
PSYCHOLOGY	284	105	179	90	58	32
SOCIAL SCIENCES	421	252	169	711	422	289
AGRICULTURAL ECONOMICS	46	31	15	0	0	0
ANTHROPOLOGY	0	0	0	0	0	0
ECONOMICS (EXCEPT AGRICULTURAL)	16	11	5	107	75	32
GEOGRAPHY	0	0	0	0	0	0
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	0	0	0	0
LINGUISTICS	0	0	0	144	82	62
POLITICAL SCIENCE	138	51	87	229	146	83
SOCIOLOGY	113	77	36	82	25	57
SOCIOLOGY/ANTHROPOLOGY	0	0	0	62	28	34
SOCIAL SCIENCES, N.E.C.	108	82	26	87	66	21

SOURCE: NATIONAL SCIENCE FOUNDATION, SRS.

Table 12-- FULL-TIME SCIENCE/ENGINEERING GRADUATE STUDENTS IN HISTORICALLY BLACK COLLEGES AND UNIVERSITIES BY FIELD, LEVEL OF STUDY, CITIZENSHIP, SEX, AND TYPE OF CONTROL: 1987

FIELD	TOTAL	LEVEL OF STUDY		CITIZENSHIP		SEX		TYPE OF CONTROL	
		FIRST YEAR	BEYOND FIRST YEAR	U.S.	FOREIGN	MEN	WOMEN	PUBLIC	PRIVATE
TOTAL, ALL FIELDS	2,182	641	1,541	1,259	923	1,370	812	1,011	1,171
ENGINEERING	283	74	209	92	191	239	44	144	139
AEROSPACE	0	0	0	0	0	0	0	0	0
AGRICULTURAL	0	0	0	0	0	0	0	0	0
BIOMEDICAL	0	0	0	0	0	0	0	0	0
CHEMICAL	0	0	0	0	0	0	0	0	0
CIVIL	35	8	27	9	26	19	16	13	22
ELECTRICAL	104	29	75	39	65	91	13	47	57
ENGINEERING SCIENCE	0	0	0	0	0	0	0	0	0
INDUSTRIAL	10	1	9	7	3	8	2	10	0
MECHANICAL	60	20	40	17	43	54	6	0	60
METALLURGICAL/MATERIALS	0	0	0	0	0	0	0	0	0
MINING	0	0	0	0	0	0	0	0	0
NUCLEAR	0	0	0	0	0	0	0	0	0
PETROLEUM	0	0	0	0	0	0	0	0	0
ENGINEERING, N.E.C.	74	16	58	20	54	67	7	74	0
SCIENCES, TOTAL	1,899	567	1,332	1,167	732	1,131	768	867	1,032
PHYSICAL SCIENCES	244	84	160	145	99	180	64	106	138
ASTRONOMY	0	0	0	0	0	0	0	0	0
CHEMISTRY	165	52	113	111	54	107	58	76	89
PHYSICS	77	31	46	32	45	71	6	28	49
PHYSICAL SCIENCES, N.E.C.	2	1	1	2	0	2	0	2	0
ENVIRONMENTAL SCIENCES	9	6	3	7	2	7	2	4	5
ATMOSPHERIC SCIENCES	0	0	0	0	0	0	0	0	0
GEOSCIENCES	9	6	3	7	2	7	2	4	5
OCEANOGRAPHY	0	0	0	0	0	0	0	0	0
ENVIRONMENTAL SCIENCES, N.E.C.	0	0	0	0	0	0	0	0	0
MATHEMATICAL SCIENCES	168	39	129	99	69	130	38	70	98
COMPUTER SCIENCES	163	73	90	56	107	126	37	115	48
LIFE SCIENCES	478	120	358	323	155	222	256	215	263
AGRICULTURAL SCIENCES	36	9	27	7	29	32	4	21	15
BIOLOGICAL SCIENCES	325	84	241	210	115	162	163	145	180
ANATOMY	6	1	5	5	1	2	4	0	6
BIOCHEMISTRY	12	1	11	4	8	10	2	0	12
BIOLOGY	139	45	94	111	28	55	84	90	49
BIOMETRY/EPIDEMIOLOGY	0	0	0	0	0	0	0	0	0
BIOPHYSICS	0	0	0	0	0	0	0	0	0
BOTANY	26	11	15	6	20	17	9	15	11
CELL BIOLOGY	0	0	0	0	0	0	0	0	0
ECOLOGY	0	0	0	0	0	0	0	0	0
ENTOMOLOGY/PARASITOLOGY	0	0	0	0	0	0	0	0	0
GENETICS	25	5	20	19	6	9	16	0	25
MICROBIOLOGY	10	0	10	10	0	4	6	0	10
NUTRITION	34	8	26	9	25	23	11	34	0
PATHOLOGY	0	0	0	0	0	0	0	0	0
PHARMACOLOGY	12	4	8	6	6	4	8	0	12
PHYSIOLOGY	22	1	21	10	12	17	5	0	22
ZOOLOGY	18	3	15	9	9	13	5	0	18
BIOSCIENCES, N.E.C.	21	5	16	21	0	8	13	6	15
HEALTH SCIENCES	117	27	90	106	11	28	89	49	68
DENTISTRY	0	0	0	0	0	0	0	0	0
NEUROLOGY	0	0	0	0	0	0	0	0	0
NURSING	31	8	23	30	1	0	31	0	31
PHARMACEUTICAL SCIENCES	14	6	8	6	8	9	5	14	0
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	0	0	0	0	0	0	0	0	0
SPEECH PATHOLOGY/AUDIOLOGY	46	12	34	46	0	0	46	35	11
VETERINARY SCIENCES	17	1	16	17	0	15	2	0	17
CLINICAL MEDICINE, N.E.C.	0	0	0	0	0	0	0	0	0
HEALTH RELATED, N.E.C.	9	0	9	7	2	4	5	0	9
PSYCHOLOGY	163	49	114	153	10	65	98	105	58
SOCIAL SCIENCES	674	196	478	384	290	401	273	252	422
AGRICULTURAL ECONOMICS	31	14	17	8	23	30	1	31	0
ANTHROPOLOGY	0	0	0	0	0	0	0	0	0
ECONOMICS (EXCEPT AGRICULTURAL)	86	28	58	29	57	68	18	11	75
GEOGRAPHY	0	0	0	0	0	0	0	0	0
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	0	0	0	0	0	0	0
LINGUISTICS	82	0	82	56	26	37	45	0	82
POLITICAL SCIENCE	197	48	149	106	91	133	64	51	146
SOCIOLOGY	102	31	71	55	47	61	41	77	25
SOCIOLOGY/ANTHROPOLOGY	28	4	24	22	6	11	17	0	28
SOCIAL SCIENCES, N.E.C.	148	71	77	108	40	61	87	82	66

SOURCE: NATIONAL SCIENCE FOUNDATION, SRS.

Table 13 -- FULL-TIME SCIENCE/ENGINEERING GRADUATE STUDENTS IN HISTORICALLY BLACK COLLEGES AND UNIVERSITIES BY SEX, SOURCE OF MAJOR SUPPORT, AND FIELD: 1987

SEX AND SOURCE OF MAJOR SUPPORT	ENGINEERING	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICAL SCIENCES	COMPUTER SCIENCES	LIFE SCIENCES	PSYCHOLOGY	SOCIAL SCIENCES
TOTAL:								
TOTAL, ALL SOURCES	283	244	9	168	163	478	163	674
FEDERAL, TOTAL	64	114	0	27	5	234	15	101
DEPT OF DEFENSE	8	16	0	26	0	0	4	0
DEPT OF HHS, TOTAL	0	31	0	0	0	130	7	27
NIH	0	31	0	0	0	103	7	11
OTHER HHS	0	0	0	0	0	27	0	16
NSF	0	20	0	1	0	10	4	8
USDA	0	0	0	0	0	53	0	15
ALL OTHER FEDERAL	56	47	0	0	5	41	0	51
INSTITUTIONAL SUPPORT	105	97	2	42	23	111	21	131
OTHER OUTSIDE SUPPORT, TOTAL	33	22	3	6	21	21	30	64
ALL OTHER U.S.	29	20	3	6	21	12	30	34
FOREIGN	4	2	0	0	0	9	0	30
SELF-SUPPORT	81	11	4	93	114	112	97	378
MEN:								
TOTAL, ALL SOURCES	239	180	7	130	126	222	65	401
FEDERAL, TOTAL	58	84	0	10	4	110	9	49
DEPT OF DEFENSE	8	14	0	9	0	0	4	0
DEPT OF HHS, TOTAL	0	20	0	0	0	48	4	6
NIH	0	20	0	0	0	47	4	6
OTHER HHS	0	0	0	0	0	1	0	0
NSF	0	14	0	1	0	4	1	3
USDA	0	0	0	0	0	41	0	14
ALL OTHER FEDERAL	50	36	0	0	4	17	0	26
INSTITUTIONAL SUPPORT	89	70	1	30	15	62	6	54
OTHER OUTSIDE SUPPORT, TOTAL	29	16	3	3	8	10	5	55
ALL OTHER U.S.	25	14	3	3	8	5	5	28
FOREIGN	4	2	0	0	0	5	0	27
SELF-SUPPORT	63	10	3	87	99	40	45	243
WOMEN:								
TOTAL, ALL SOURCES	44	64	2	38	37	256	98	273
FEDERAL, TOTAL	6	30	0	17	1	124	6	52
DEPT OF DEFENSE	0	2	0	17	0	0	0	0
DEPT OF HHS, TOTAL	0	11	0	0	0	82	3	21
NIH	0	11	0	0	0	56	3	5
OTHER HHS	0	0	0	0	0	26	0	16
NSF	0	6	0	0	0	6	3	5
USDA	0	0	0	0	0	12	0	1
ALL OTHER FEDERAL	6	11	0	0	1	24	0	25
INSTITUTIONAL SUPPORT	16	27	1	12	8	49	15	77
OTHER OUTSIDE SUPPORT, TOTAL	4	6	0	3	13	11	25	9
ALL OTHER U.S.	4	6	0	3	13	7	25	6
FOREIGN	0	0	0	0	0	4	0	3
SELF-SUPPORT	18	1	1	6	15	72	52	135

SOURCE: NATIONAL SCIENCE FOUNDATION, SRS.

Table 14 -- FULL-TIME SCIENCE/ENGINEERING GRADUATE STUDENTS IN HISTORICALLY BLACK COLLEGES AND UNIVERSITIES BY FIELD AND TYPE OF MAJOR SUPPORT: 1987

FIELD	TOTAL	FELLOWSHIPS	TRAINEESHIPS	RESEARCH ASSISTANT-SHIPS	TEACHING ASSISTANT-SHIPS	OTHER TYPES OF SUPPORT
TOTAL, ALL FIELDS	2,182	233	164	341	322	1,122
ENGINEERING	283	44	16	65	61	97
AEROSPACE	0	0	0	0	0	0
AGRICULTURAL	0	0	0	0	0	0
BIOMEDICAL	0	0	0	0	0	0
CHEMICAL	0	0	0	0	0	0
CIVIL	35	2	7	0	5	21
ELECTRICAL	104	10	7	25	21	41
ENGINEERING SCIENCE	0	0	0	0	0	0
INDUSTRIAL	10	0	0	9	1	0
MECHANICAL	60	12	2	15	8	23
METALLURGICAL/MATERIALS	0	0	0	0	0	0
MINING	0	0	0	0	0	0
NUCLEAR	0	0	0	0	0	0
PETROLEUM	0	0	0	0	0	0
ENGINEERING, N.E.C.	74	20	0	16	26	12
SCIENCES, TOTAL	1,899	189	148	276	261	1,025
PHYSICAL SCIENCES	244	43	17	80	86	18
ASTRONOMY	0	0	0	0	0	0
CHEMISTRY	165	13	14	46	80	12
PHYSICS	77	30	3	32	6	6
PHYSICAL SCIENCES, N.E.C.	2	0	0	2	0	0
ENVIRONMENTAL SCIENCES	9	0	0	3	1	5
ATMOSPHERIC SCIENCES	0	0	0	0	0	0
GEOSCIENCES	9	0	0	3	1	5
OCEANOGRAPHY	0	0	0	0	0	0
ENVIRONMENTAL SCIENCES, N.E.C.	0	0	0	0	0	0
MATHEMATICAL SCIENCES	168	4	0	17	36	111
COMPUTER SCIENCES	163	0	0	13	9	141
LIFE SCIENCES	478	39	92	100	88	159
AGRICULTURAL SCIENCES	36	6	0	9	2	19
BIOLOGICAL SCIENCES	325	28	56	82	73	86
ANATOMY	6	0	2	0	3	1
BIOCHEMISTRY	12	0	2	0	10	0
BIOLOGY	139	4	16	37	28	54
BIOMETRY/EPIDEMIOLOGY	0	0	0	0	0	0
BIOPHYSICS	0	0	0	0	0	0
BOTANY	26	1	0	14	9	2
CELL BIOLOGY	0	0	0	0	0	0
ECOLOGY	0	0	0	0	0	0
ENTOMOLOGY/PARASITOLOGY	0	0	0	0	0	0
GENETICS	25	10	0	1	2	12
MICROBIOLOGY	10	0	7	0	3	0
NUTRITION	34	4	5	21	0	4
PATHOLOGY	0	0	0	0	0	0
PHARMACOLOGY	12	3	1	0	0	8
PHYSIOLOGY	22	4	8	3	4	3
ZOOLOGY	18	0	0	2	14	2
BIOSCIENCES, N.E.C.	21	2	15	4	0	0
HEALTH SCIENCES	117	5	36	9	13	54
DENTISTRY	0	0	0	0	0	0
NEUROLOGY	0	0	0	0	0	0
NURSING	31	0	26	0	0	5
PHARMACEUTICAL SCIENCES	14	0	0	0	11	3
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	0	0	0	0	0	0
SPEECH PATHOLOGY/AUDIOLOGY	46	5	0	5	2	34
VETERINARY SCIENCES	17	0	5	0	0	12
CLINICAL MEDICINE, N.E.C.	0	0	0	0	0	0
HEALTH RELATED, N.E.C.	9	0	5	4	0	0
PSYCHOLOGY	163	15	0	15	18	115
SOCIAL SCIENCES	674	88	39	48	23	476
AGRICULTURAL ECONOMICS	31	14	0	10	0	7
ANTHROPOLOGY	0	0	0	0	0	0
ECONOMICS (EXCEPT AGRICULTURAL)	86	12	2	6	0	66
GEOGRAPHY	0	0	0	0	0	0
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	0	0	0	0
LINGUISTICS	82	27	0	0	10	45
POLITICAL SCIENCE	197	21	14	6	6	150
SOCIOLOGY	102	6	0	12	2	82
SOCIOLOGY/ANTHROPOLOGY	28	7	7	3	0	11
SOCIAL SCIENCES, N.E.C.	148	1	16	11	5	115

SOURCE: NATIONAL SCIENCE FOUNDATION, SRS.

Table 15 -- SCIENCE/ENGINEERING GRADUATE STUDENTS IN HISTORICALLY BLACK COLLEGES AND UNIVERSITIES BY FIELD: 1980-87

FIELD	NUMBER								AVERAGE ANNUAL PERCENT CHANGE	
	1980	1981	1982	1983	1984	1985	1986	1987	1980-86	1986-87
TOTAL, ALL FIELDS	3,318	3,496	3,380	3,556	3,937	3,649	3,517	3,306	1.0	-6.0
ENGINEERING	264	242	267	311	405	342	374	375	6.0	.3
AEROSPACE	0	0	0	0	0	0	0	0	0	0
AGRICULTURAL	0	0	0	0	0	0	0	0	0	0
BIOMEDICAL	0	0	0	0	0	0	0	0	0	0
CHEMICAL	0	0	0	0	0	0	0	0	0	0
CIVIL	85	53	44	47	65	46	47	52	-9.4	10.6
ELECTRICAL	46	86	64	94	131	121	61	129	4.8	111.5
ENGINEERING SCIENCE	0	0	0	0	0	0	0	0	**	**
INDUSTRIAL	26	7	8	23	37	20	0	10	-100.0	**
MECHANICAL	22	30	30	47	93	81	83	65	19.2	3.2
METALLURGICAL/MATERIALS	0	0	0	0	0	0	0	0	0	0
MINING	0	0	0	0	0	0	0	0	0	0
NUCLEAR	0	0	0	0	0	0	0	0	**	**
PETROLEUM	0	0	0	0	0	0	0	0	0	0
ENGINEERING, N.E.C.	85	86	121	100	79	74	203	119	15.6	-41.4
SCIENCES, TOTAL	3,054	3,254	3,113	3,245	3,532	3,307	3,143	2,931	.5	-6.7
PHYSICAL SCIENCES	248	284	288	319	347	320	299	300	3.2	.3
ASTRONOMY	0	0	0	0	0	0	0	0	0	0
CHEMISTRY	195	217	226	250	269	228	196	197	.1	.5
PHYSICS	53	67	58	57	65	72	84	100	8.0	19.0
PHYSICAL SCIENCES, N.E.C.	0	0	4	12	13	20	19	3	**	-84.2
ENVIRONMENTAL SCIENCES	30	23	31	32	39	34	19	16	-7.3	-15.8
ATMOSPHERIC SCIENCES	0	0	0	0	0	0	0	0	0	0
GEOSCIENCES	9	2	13	16	23	17	19	16	13.3	-15.8
OCEANOGRAPHY	0	0	0	0	0	0	0	0	0	0
ENVIRONMENTAL SCIENCES, N.E.C.	21	21	18	16	16	17	0	0	-100.0	**
MATHEMATICAL SCIENCES	154	168	206	235	266	240	265	259	9.5	-2.3
COMPUTER SCIENCES	139	150	232	271	320	306	279	229	12.3	-17.9
LIFE SCIENCES	841	835	858	852	827	728	666	621	-3.8	-6.8
AGRICULTURAL SCIENCES	72	83	87	82	109	66	55	52	-4.4	-5.5
BIOLOGICAL SCIENCES	640	610	605	593	536	479	447	409	-5.8	-8.5
ANATOMY	7	8	10	8	6	11	9	6	4.3	-33.3
BIOCHEMISTRY	21	21	22	18	19	11	14	12	-6.5	-14.3
BIOLOGY	362	323	334	323	301	267	229	207	-7.3	-9.6
BIOMETRY/EPIDEMIOLOGY	0	0	0	0	0	0	0	0	0	0
BIOPHYSICS	0	0	0	0	0	0	0	0	0	0
BOTANY	39	50	45	44	17	16	37	32	-.9	-13.5
CELL BIOLOGY	0	0	0	0	0	0	0	0	0	0
ECOLOGY	0	0	0	0	0	0	0	0	0	0
ENTOMOLOGY/PARASITOLOGY	0	0	0	0	0	0	0	0	0	0
GENETICS	13	16	25	27	29	30	32	25	16.2	-21.9
MICROBIOLOGY	21	27	24	26	24	21	14	10	-6.5	-28.6
NUTRITION	39	39	36	20	36	34	34	35	-2.3	2.9
PATHOLOGY	0	0	0	0	0	0	0	0	0	0
PHARMACOLOGY	42	34	35	36	25	15	17	12	-14.0	-29.4
PHYSIOLOGY	14	17	14	19	22	27	20	22	6.1	10.0
ZOOLOGY	66	55	41	40	29	25	22	23	-16.7	4.5
BIOSCIENCES, N.E.C.	16	20	19	32	28	22	19	25	2.9	31.6
HEALTH SCIENCES	129	142	166	177	182	183	164	160	4.1	-2.4
DENTISTRY	0	0	0	0	0	0	0	0	0	0
NEUROLOGY	0	0	0	0	0	0	0	0	0	0
NURSING	46	45	63	68	59	46	38	50	-3.1	31.6
PHARMACEUTICAL SCIENCES	15	15	12	13	13	16	15	14	.0	-6.7
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	14	11	8	11	0	0	0	0	-100.0	**
SPEECH PATHOLOGY/AUDIOLOGY	39	48	58	59	81	84	83	67	13.4	-19.3
VETERINARY SCIENCES	15	23	25	26	26	27	23	20	7.4	-13.0
CLINICAL MEDICINE, N.E.C.	0	0	0	0	3	0	0	0	**	**
HEALTH RELATED, N.E.C.	0	0	0	0	0	10	5	9	**	80.0
PSYCHOLOGY	291	268	227	384	436	404	419	374	6.3	-10.7
SOCIAL SCIENCES	1,351	1,526	1,271	1,152	1,297	1,277	1,196	1,132	-2.0	-5.4
AGRICULTURAL ECONOMICS	35	22	39	53	62	63	59	46	9.1	-22.0
ANTHROPOLOGY	0	0	0	0	0	0	0	0	0	0
ECONOMICS (EXCEPT AGRICULTURAL)	175	250	284	106	135	161	147	123	-2.9	-16.3
GEOGRAPHY	0	0	0	0	0	0	0	0	0	0
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	0	0	0	0	0	0	0	0
LINGUISTICS	124	104	24	43	137	129	129	144	.7	11.6
POLITICAL SCIENCE	450	452	286	297	392	345	389	367	-2.4	-5.7
SOCIOLOGY	124	283	217	214	173	226	179	195	6.3	8.9
SOCIOLOGY/ANTHROPOLOGY	102	95	105	113	113	80	60	62	-8.5	3.3
SOCIAL SCIENCES, N.E.C.	341	320	316	326	285	273	233	195	-6.2	-16.3

SOURCE: NATIONAL SCIENCE FOUNDATION, SRS.

Table 16 -- MALE SCIENCE/ENGINEERING GRADUATE STUDENTS IN HISTORICALLY BLACK COLLEGES AND UNIVERSITIES BY FIELD: 1980-87

FIELD	NUMBER								AVERAGE ANNUAL PERCENT CHANGE	
	1980	1981	1982	1983	1984	1985	1986	1987	1980-86	1986-87
TOTAL, ALL FIELDS	1,983	2,119	1,928	2,002	2,324	2,147	2,054	1,996	.6	-2.8
ENGINEERING	245	226	242	274	364	306	315	318	4.3	1.0
AEROSPACE	0	0	0	0	0	0	0	0	0	0
AGRICULTURAL	0	0	0	0	0	0	0	0	0	0
BIOMEDICAL	0	0	0	0	0	0	0	0	0	0
CHEMICAL	0	0	0	0	0	0	0	0	0	0
CIVIL	75	46	32	33	54	37	27	30	-15.7	11.1
ELECTRICAL	45	62	61	87	121	110	50	112	1.8	124.0
ENGINEERING SCIENCE	0	0	0	0	0	0	0	0	**	**
INDUSTRIAL	23	6	8	18	32	13	0	8	-100.0	**
MECHANICAL	21	30	29	45	86	74	60	59	19.1	-1.7
METALLURGICAL/MATERIALS	0	0	0	0	0	0	0	0	0	0
MINING	0	0	0	0	0	0	0	0	0	0
NUCLEAR	0	0	0	0	0	0	0	0	**	**
PETROLEUM	0	0	0	0	0	0	0	0	0	0
ENGINEERING, N.E.C.	81	82	112	91	71	72	178	109	14.0	-38.8
SCIENCES, TOTAL	1,738	1,893	1,686	1,728	1,960	1,841	1,739	1,678	*	-3.5
PHYSICAL SCIENCES	175	199	182	197	235	207	214	216	3.4	.9
ASTRONOMY	0	0	0	0	0	0	0	0	0	0
CHEMISTRY	128	141	135	145	171	135	136	128	1.0	-5.9
PHYSICS	47	58	46	47	58	64	71	86	7.1	21.1
PHYSICAL SCIENCES, N.E.C.	0	0	1	5	6	8	7	2	**	-71.4
ENVIRONMENTAL SCIENCES	18	18	19	16	20	27	10	11	-9.3	10.0
ATMOSPHERIC SCIENCES	0	0	0	0	0	0	0	0	0	0
GEOSCIENCES	6	1	7	6	9	12	10	11	8.9	10.0
OCEANOGRAPHY	0	0	0	0	0	0	0	0	0	0
ENVIRONMENTAL SCIENCES, N.E.C.	12	17	12	10	11	15	0	0	-100.0	**
MATHEMATICAL SCIENCES	68	87	111	139	162	140	160	178	15.3	11.2
COMPUTER SCIENCES	101	96	150	185	221	220	196	171	11.7	-12.8
LIFE SCIENCES	467	449	422	421	410	311	306	283	-6.8	-7.5
AGRICULTURAL SCIENCES	50	70	74	68	102	51	46	44	-1.4	-4.3
BIOLOGICAL SCIENCES	383	340	316	321	274	222	225	209	-8.5	-7.1
ANATOMY	4	5	5	5	4	4	3	2	-4.7	-33.3
BIOCHEMISTRY	18	12	11	11	12	6	9	10	-10.9	11.1
BIOLOGY	218	182	177	173	151	114	92	92	-13.4	.0
BIOMETRY/EPIDEMIOLOGY	0	0	0	0	0	0	0	0	0	0
BIOPHYSICS	0	0	0	0	0	0	0	0	0	0
BOTANY	24	30	10	9	11	7	26	20	1.3	-23.1
CELL BIOLOGY	0	0	0	0	0	0	0	0	0	0
ECOLOGY	0	0	0	0	0	0	0	0	0	0
ENTOMOLOGY/PARASITOLOGY	0	0	0	0	0	0	0	0	0	0
GENETICS	4	6	6	12	11	13	14	9	23.2	-35.7
MICROBIOLOGY	9	10	11	8	8	9	6	4	-6.5	-33.3
NUTRITION	23	30	25	16	29	25	25	24	1.4	-4.0
PATHOLOGY	0	0	0	0	0	0	0	0	0	0
PHARMACOLOGY	28	21	21	21	13	4	8	4	-18.8	-50.0
PHYSIOLOGY	5	8	10	14	13	16	15	17	20.1	13.3
ZOOLOGY	44	27	31	30	14	14	16	17	-15.5	6.3
BIOSCIENCES, N.E.C.	6	9	9	22	8	10	11	10	10.6	-9.1
HEALTH SCIENCES	34	39	32	32	34	38	35	30	.5	-14.3
DENTISTRY	0	0	0	0	0	0	0	0	0	0
NEUROLOGY	0	0	0	0	0	0	0	0	0	0
NURSING	1	0	0	1	1	0	1	0	.0	-100.0
PHARMACEUTICAL SCIENCES	10	15	8	9	9	11	10	9	.0	-10.0
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	5	6	3	7	0	0	0	0	-100.0	**
SPEECH PATHOLOGY/AUDIOLOGY	3	3	5	3	3	2	2	0	-6.5	-100.0
VETERINARY SCIENCES	15	15	16	12	20	22	20	17	4.9	-15.0
CLINICAL MEDICINE, N.E.C.	0	0	0	0	1	0	0	0	**	**
HEALTH RELATED, N.E.C.	0	0	0	0	0	3	2	4	**	100.0
PSYCHOLOGY	142	110	97	177	194	177	167	149	2.7	-10.8
SOCIAL SCIENCES	767	934	705	593	718	759	686	670	-1.8	-2.3
AGRICULTURAL ECONOMICS	30	17	33	44	53	55	55	41	10.6	-25.5
ANTHROPOLOGY	0	0	0	0	0	0	0	0	0	0
ECONOMICS (EXCEPT AGRICULTURAL)	139	215	195	76	101	131	114	95	-3.3	-16.7
GEOGRAPHY	0	0	0	0	0	0	0	0	0	0
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	0	0	0	0	0	0	0	0
LINGUISTICS	45	33	3	10	50	43	43	75	-.8	74.4
POLITICAL SCIENCE	279	298	184	162	252	227	250	250	-1.8	.0
SOCIOLOGY	58	153	107	105	63	117	77	92	4.8	19.5
SOCIOLOGY/ANTHROPOLOGY	56	43	41	41	53	43	27	28	-11.4	3.7
SOCIAL SCIENCES, N.E.C.	160	175	162	155	146	143	120	89	-4.7	-25.8

* LESS THAN 0.05-PERCENT CHANGE

SOURCE: NATIONAL SCIENCE FOUNDATION, SRS.

Table 17. FEMALE SCIENCE/ENGINEERING GRADUATE STUDENTS IN HISTORICALLY BLACK COLLEGES AND UNIVERSITIES BY FIELD: 1980-87

FIELD	NUMBER								AVERAGE ANNUAL PERCENT CHANGE	
	1980	1981	1982	1983	1984	1985	1986	1987	1980-86	1986-87
TOTAL, ALL FIELDS	1,335	1,377	1,452	1,554	1,613	1,502	1,463	1,310	1.5	-10.5
ENGINEERING	19	16	25	37	41	36	59	57	20.8	-3.4
AEROSPACE	0	0	0	0	0	0	0	0	0	0
AGRICULTURAL	0	0	0	0	0	0	0	0	0	0
BIOMEDICAL	0	0	0	0	0	0	0	0	0	0
CHEMICAL	0	0	0	0	0	0	0	0	0	0
CIVIL	10	7	12	14	11	9	20	22	12.2	10.0
ELECTRICAL	1	4	3	7	10	11	11	17	49.1	54.5
ENGINEERING SCIENCE	0	0	0	0	0	0	0	0	0	0
INDUSTRIAL	3	1	0	5	5	7	0	2	-100.0	**
MECHANICAL	1	0	1	2	7	7	3	6	20.1	100.0
METALLURGICAL/MATERIALS	0	0	0	0	0	0	0	0	0	0
MINING	0	0	0	0	0	0	0	0	0	0
NUCLEAR	0	0	0	0	0	0	0	0	0	0
PETROLEUM	0	0	0	0	0	0	0	0	0	0
ENGINEERING, N.E.C.	4	4	9	9	8	2	25	10	35.7	-60.0
SCIENCES, TOTAL	1,316	1,361	1,427	1,517	1,572	1,466	1,404	1,253	1.1	-10.8
PHYSICAL SCIENCES	73	85	106	122	112	113	85	84	2.6	-1.2
ASTRONOMY	0	0	0	0	0	0	0	0	0	0
CHEMISTRY	67	76	91	105	98	93	60	69	-1.8	15.0
PHYSICS	6	9	12	10	7	8	13	14	13.8	7.7
PHYSICAL SCIENCES, N.E.C.	0	0	3	7	7	12	12	1	**	-91.7
ENVIRONMENTAL SCIENCES	12	5	12	16	19	7	9	5	-4.7	-44.4
ATMOSPHERIC SCIENCES	0	0	0	0	0	0	0	0	0	0
GEOSCIENCES	3	1	6	10	14	5	9	5	20.1	-44.4
OCEANOGRAPHY	0	0	0	0	0	0	0	0	0	0
ENVIRONMENTAL SCIENCES, N.E.C.	9	4	6	6	5	2	0	0	-100.0	**
MATHEMATICAL SCIENCES	86	81	95	96	104	100	105	81	3.4	-22.9
COMPUTER SCIENCES	38	54	82	86	99	84	83	58	13.9	-30.1
LIFE SCIENCES	374	386	436	431	417	417	360	338	-.6	-6.1
AGRICULTURAL SCIENCES	22	13	13	14	7	15	9	8	-13.8	-11.1
BIOLOGICAL SCIENCES	257	270	289	272	262	257	222	200	-2.4	-9.9
ANATOMY	3	3	5	3	2	7	6	4	12.2	-33.3
BIOCHEMISTRY	3	9	11	7	7	5	5	2	8.9	-60.0
BIOLOGY	144	141	157	150	150	153	137	115	-.8	-16.1
BIOMETRY/EPIDEMIOLOGY	0	0	0	0	0	0	0	0	0	0
BIOPHYSICS	0	0	0	0	0	0	0	0	0	0
BOTANY	15	20	35	35	6	9	11	12	-5.0	9.1
CELL BIOLOGY	0	0	0	0	0	0	0	0	0	0
ECOLOGY	0	0	0	0	0	0	0	0	0	0
ENTOMOLOGY/PARASITOLOGY	0	0	0	0	0	0	0	0	0	0
GENETICS	9	10	19	15	18	17	18	16	12.2	-11.1
MICROBIOLOGY	12	17	13	18	16	12	8	6	-6.5	-25.0
NUTRITION	16	9	11	4	7	9	9	11	-9.1	22.2
PATHOLOGY	0	0	0	0	0	0	0	0	0	0
PHARMACOLOGY	14	13	14	15	12	11	9	8	-7.1	-11.1
PHYSIOLOGY	9	9	4	5	9	11	5	5	-9.3	.0
ZOOLOGY	22	28	10	10	15	11	6	6	-19.5	.0
BIOSCIENCES, N.E.C.	10	11	10	10	20	12	8	15	-3.7	87.5
HEALTH SCIENCES	95	103	134	145	148	145	129	130	5.2	.8
DENTISTRY	0	0	0	0	0	0	0	0	0	0
NEUROLOGY	0	0	0	0	0	0	0	0	0	0
NURSING	45	45	63	67	58	46	37	50	-3.2	35.1
PHARMACEUTICAL SCIENCES	5	0	4	4	4	5	5	5	.0	.0
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	9	5	5	4	0	0	0	0	-100.0	**
SPEECH PATHOLOGY/AUDIOLOGY	36	45	53	56	78	82	81	67	14.5	-17.3
VETERINARY SCIENCES	0	8	9	14	6	5	3	3	**	.0
CLINICAL MEDICINE, N.E.C.	0	0	0	0	2	0	0	0	**	**
HEALTH RELATED, N.E.C.	0	0	0	0	0	7	3	5	**	66.7
PSYCHOLOGY	149	158	130	207	242	227	252	225	9.2	-10.7
SOCIAL SCIENCES	584	592	566	559	579	518	510	462	-2.2	-9.4
AGRICULTURAL ECONOMICS	5	5	6	9	9	8	4	5	-3.7	25.0
ANTHROPOLOGY	0	0	0	0	0	0	0	0	0	0
ECONOMICS (EXCEPT AGRICULTURAL)	36	35	89	30	34	30	33	28	-1.4	-15.2
GEOGRAPHY	0	0	0	0	0	0	0	0	0	0
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	0	0	0	0	0	0	0	0
LINGUISTICS	79	71	21	33	87	86	86	69	1.4	-19.8
POLITICAL SCIENCE	171	154	122	135	140	118	139	117	-3.4	-15.8
SOCIOLOGY	66	130	110	109	110	109	102	103	7.5	1.0
SOCIOLOGY/ANTHROPOLOGY	46	52	64	72	60	37	33	34	-5.4	3.0
SOCIAL SCIENCES, N.E.C.	181	145	154	171	139	130	113	106	-7.6	-6.2

SOURCE: NATIONAL SCIENCE FOUNDATION, SRS.

Table 18 -- FULL-TIME SCIENCE/ENGINEERING GRADUATE STUDENTS IN HISTORICALLY BLACK COLLEGES AND UNIVERSITIES BY FIELD: 1980-87

FIELD	NUMBER								AVERAGE ANNUAL PERCENT CHANGE	
	1980	1981	1982	1983	1984	1985	1986	1987	1980-86	1986-87
TOTAL, ALL FIELDS	2,322	2,505	2,326	2,322	2,411	2,389	2,206	2,182	-.9	-1.1
ENGINEERING	191	170	192	195	258	273	197	283	.5	43.7
AEROSPACE	0	0	0	0	0	0	0	0	0	0
AGRICULTURAL	0	0	0	0	0	0	0	0	0	0
BIOMEDICAL	0	0	0	0	0	0	0	0	0	0
CHEMICAL	0	0	0	0	0	0	0	0	0	0
CIVIL	68	43	31	34	38	42	32	35	-11.8	9.4
ELECTRICAL	37	59	57	84	102	111	45	104	3.3	131.1
ENGINEERING SCIENCE	0	0	0	0	0	0	0	0	**	**
INDUSTRIAL	16	7	8	10	22	18	0	10	-100.0	**
MECHANICAL	17	25	26	34	63	71	60	60	23.4	.0
METALLURGICAL/MATERIALS	0	0	0	0	0	0	0	0	0	0
MINING	0	0	0	0	0	0	0	0	0	0
NUCLEAR	0	0	0	0	0	0	0	0	**	**
PETROLEUM	0	0	0	0	0	0	0	0	0	0
ENGINEERING, N.E.C.	53	36	70	33	33	31	60	74	2.1	23.3
SCIENCES, TOTAL	2,131	2,335	2,134	2,127	2,153	2,116	2,009	1,899	-1.0	-5.5
PHYSICAL SCIENCES	212	255	256	271	258	262	239	244	2.0	2.1
ASTRONOMY	0	0	0	0	0	0	0	0	0	0
CHEMISTRY	165	193	205	222	205	194	169	165	.4	-2.4
PHYSICS	47	62	50	49	52	65	64	77	5.3	20.3
PHYSICAL SCIENCES, N.E.C.	0	0	1	0	1	3	6	2	**	-66.7
ENVIRONMENTAL SCIENCES	20	18	29	27	25	25	7	9	-16.1	28.6
ATMOSPHERIC SCIENCES	0	0	0	0	0	0	0	0	0	0
GEOSCIENCES	1	0	11	11	9	8	7	9	38.3	28.6
OCEANOGRAPHY	0	0	0	0	0	0	0	0	0	0
ENVIRONMENTAL SCIENCES, N.E.C.	19	18	18	16	16	17	0	0	-100.0	**
MATHEMATICAL SCIENCES	101	120	111	137	139	141	143	168	6.0	17.5
COMPUTER SCIENCES	96	87	153	185	202	212	206	163	13.6	-20.9
LIFE SCIENCES	613	616	642	674	618	531	496	478	-3.5	-3.6
AGRICULTURAL SCIENCES	41	42	46	39	79	27	26	36	-7.3	38.5
BIOLOGICAL SCIENCES	491	479	487	511	422	369	348	325	-5.6	-6.6
ANATOMY	7	8	10	8	6	11	7	6	4.3	-33.3
BIOCHEMISTRY	21	21	22	18	19	11	14	12	-6.5	-14.3
BIOLOGY	247	220	242	260	218	172	149	139	-8.1	-6.7
BIOMETRY/EPIDEMIOLOGY	0	0	0	0	0	0	0	0	0	0
BIOPHYSICS	0	0	0	0	0	0	0	0	0	0
BOTANY	23	37	33	32	5	11	31	26	5.1	-16.1
CELL BIOLOGY	0	0	0	0	0	0	0	0	0	0
ECOLOGY	0	0	0	0	0	0	0	0	0	0
ENTOMOLOGY/PARASITOLOGY	0	0	0	0	0	0	0	0	0	0
GENETICS	13	16	25	25	27	27	29	25	14.3	-13.8
MICROBIOLOGY	21	27	24	26	24	20	14	10	-6.5	-28.6
NUTRITION	34	37	28	20	36	34	32	34	-1.0	6.3
PATHOLOGY	0	0	0	0	0	0	0	0	0	0
PHARMACOLOGY	38	32	32	34	24	15	16	12	-13.4	-25.0
PHYSIOLOGY	14	17	14	19	22	26	19	22	5.2	15.8
ZOOLOGY	61	45	39	38	18	23	17	18	-19.2	5.9
BIOSCIENCES, N.E.C.	12	19	18	31	23	19	18	21	7.0	16.7
HEALTH SCIENCES	81	95	109	124	117	135	122	117	7.1	-4.1
DENTISTRY	0	0	0	0	0	0	0	0	0	0
NEUROLOGY	0	0	0	0	0	0	0	0	0	0
NURSING	19	23	40	47	29	34	28	31	6.7	10.7
PHARMACEUTICAL SCIENCES	15	15	12	13	13	16	15	14	.0	-6.7
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	14	6	6	10	0	0	0	0	-100.0	**
SPEECH PATHOLOGY/AUDIOLOGY	21	29	29	28	49	51	54	46	17.0	-14.8
VETERINARY SCIENCES	12	22	22	26	23	24	20	17	8.9	-15.0
CLINICAL MEDICINE, N.E.C.	0	0	0	0	3	0	0	0	**	**
HEALTH RELATED, N.E.C.	0	0	0	0	0	10	5	9	**	80.0
PSYCHOLOGY	178	153	120	132	173	159	183	163	.5	-10.9
SOCIAL SCIENCES	911	1,086	823	701	738	786	735	674	-3.5	-8.3
AGRICULTURAL ECONOMICS	31	20	19	50	49	41	46	31	6.8	-32.6
ANTHROPOLOGY	0	0	0	0	0	0	0	0	0	0
ECONOMICS (EXCEPT AGRICULTURAL)	133	210	234	60	59	103	91	86	-6.1	-5.5
GEOGRAPHY	0	0	0	0	0	0	0	0	0	0
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	0	0	0	0	0	0	0	0
LINGUISTICS	83	84	19	38	61	72	72	82	-2.3	13.9
POLITICAL SCIENCE	312	332	162	143	245	216	249	197	-3.7	-20.9
SOCIOLOGY	68	194	128	136	97	141	91	102	5.0	12.1
SOCIOLOGY/ANTHROPOLOGY	43	47	74	81	61	49	27	28	-7.5	3.7
SOCIAL SCIENCES, N.E.C.	241	199	187	193	166	164	159	148	-6.7	-6.9

SOURCE: NATIONAL SCIENCE FOUNDATION, SRS.

Table 19 -- FULL-TIME SCIENCE/ENGINEERING GRADUATE STUDENTS IN HISTORICALLY BLACK COLLEGES AND UNIVERSITIES BY TYPE AND SOURCE OF MAJOR SUPPORT: 1980-87

TYPE AND SOURCE OF MAJOR SUPPORT	NUMBER								AVERAGE ANNUAL PERCENT CHANGE	
	1980	1981	1982	1983	1984	1985	1986	1987	1980-86	1986-87
TOTAL, ALL TYPES:										
TOTAL, ALL SOURCES	2,322	2,505	2,326	2,322	2,411	2,389	2,206	2,182	-.9	-1.1
FEDERAL, TOTAL	622	597	591	553	611	718	572	560	-1.4	-2.1
DEPT OF DEFENSE	18	22	20	33	50	38	54	54	20.1	.0
DEPT OF HHS, TOTAL	318	218	231	220	225	215	210	195	-6.7	-7.1
NIH	227	175	190	187	181	165	154	152	-6.3	-1.3
OTHER HHS	91	43	41	33	44	50	56	43	-7.8	-23.2
NSF	85	103	70	50	39	25	33	43	-14.6	30.3
ALL OTHER FEDERAL	201	254	270	250	297	440	275	268	5.4	-2.5
INSTITUTIONAL SUPPORT	674	625	643	673	609	428	482	532	-5.4	10.4
OTHER OUTSIDE SUPPORT, TOTAL	113	93	141	176	114	105	172	200	7.3	16.3
ALL OTHER U.S.	70	67	105	136	94	80	150	155	13.5	3.3
FOREIGN	43	26	36	40	20	25	22	45	-10.6	104.5
SELF-SUPPORT	913	1,190	951	920	1,077	1,138	980	890	1.2	-9.2
FELLOWSHIPS:										
TOTAL, ALL SOURCES	191	242	276	272	252	264	165	233	-2.4	41.2
FEDERAL, TOTAL	83	95	99	69	99	145	94	104	2.1	10.6
DEPT OF DEFENSE	2	1	0	0	3	0	0	13	-100.0	**
DEPT OF HHS, TOTAL	34	23	17	15	18	30	16	6	-11.8	-62.5
NIH	10	21	12	5	13	21	7	6	-5.8	-14.3
OTHER HHS	24	2	5	10	5	9	9	0	-15.1	-100.0
NSF	14	26	12	10	7	10	5	15	-15.8	200.0
ALL OTHER FEDERAL	33	45	70	44	71	105	73	70	14.1	-4.1
INSTITUTIONAL SUPPORT	80	114	108	108	100	70	53	93	-6.6	75.5
OTHER OUTSIDE SUPPORT, TOTAL	28	33	69	95	53	49	18	36	-7.1	100.0
ALL OTHER U.S.	17	19	58	73	39	31	10	26	-8.5	160.0
FOREIGN	11	14	11	22	14	18	8	10	-5.2	25.0
SELF-SUPPORT	0	0	0	0	0	0	0	0	0	0
TRAINEESHIPS:										
TOTAL, ALL SOURCES	239	226	216	220	208	174	178	164	-4.8	-7.9
FEDERAL, TOTAL	194	211	189	185	185	155	130	120	-6.5	-7.7
DEPT OF DEFENSE	0	0	1	5	1	0	0	1	**	**
DEPT OF HHS, TOTAL	145	117	118	110	127	113	115	109	-3.8	-5.2
NIH	103	88	96	93	90	72	73	67	-5.6	-8.2
OTHER HHS	42	29	22	17	37	41	42	42	.0	.0
NSF	38	43	37	19	8	1	2	1	-38.8	-50.0
ALL OTHER FEDERAL	11	51	33	51	49	41	13	9	2.8	-30.8
INSTITUTIONAL SUPPORT	41	11	20	25	18	18	38	33	-1.3	-13.2
OTHER OUTSIDE SUPPORT, TOTAL	4	4	7	10	5	1	10	11	16.5	10.0
ALL OTHER U.S.	4	4	3	0	1	1	3	2	-4.7	-33.3
FOREIGN	0	0	4	10	4	0	7	9	**	28.6
SELF-SUPPORT	0	0	0	0	0	0	0	0	0	0
RESEARCH ASSISTANTSHIPS:										
TOTAL, ALL SOURCES	340	353	324	362	423	329	346	341	.3	-1.4
FEDERAL, TOTAL	258	214	229	243	274	274	255	265	-.2	3.9
DEPT OF DEFENSE	11	16	14	27	45	38	40	29	24.0	-27.5
DEPT OF HHS, TOTAL	100	74	85	85	76	65	70	61	-5.8	-12.9
NIH	99	66	77	80	76	65	65	61	-6.8	-6.2
OTHER HHS	1	8	8	5	0	0	5	0	30.8	-100.0
NSF	27	28	18	18	18	14	23	23	-2.6	.0
ALL OTHER FEDERAL	120	96	112	113	135	157	122	152	.3	24.6
INSTITUTIONAL SUPPORT	58	113	79	103	118	38	70	55	3.2	-21.4
OTHER OUTSIDE SUPPORT, TOTAL	24	26	16	16	31	17	21	21	-2.2	.0
ALL OTHER U.S.	16	19	14	15	30	11	15	18	-1.1	20.0
FOREIGN	8	7	2	1	1	6	6	3	-4.7	-50.0
SELF-SUPPORT	0	0	0	0	0	0	0	0	0	0
TEACHING ASSISTANTSHIPS:										
TOTAL, ALL SOURCES	379	303	385	357	323	307	308	322	-3.4	4.5
FEDERAL, TOTAL	24	6	16	3	7	52	35	11	6.5	-68.6
DEPT OF DEFENSE	0	0	0	0	0	0	0	0	0	0
DEPT OF HHS, TOTAL	6	0	8	3	2	2	2	4	-16.7	100.0
NIH	1	0	2	3	0	2	2	4	12.2	100.0
OTHER HHS	5	0	6	0	2	0	0	0	-100.0	**
NSF	6	0	0	0	4	0	3	1	-10.9	-66.7
ALL OTHER FEDERAL	12	6	8	0	1	50	30	6	16.5	-80.0
INSTITUTIONAL SUPPORT	352	291	357	350	296	236	252	275	-5.4	9.1
OTHER OUTSIDE SUPPORT, TOTAL	3	6	12	4	20	19	21	36	38.3	71.4
ALL OTHER U.S.	3	6	12	4	20	19	21	36	38.3	71.4
FOREIGN	0	0	0	0	0	0	0	0	0	0
SELF-SUPPORT	0	0	0	0	0	0	0	0	0	0
OTHER TYPES OF SUPPORT:										
TOTAL, ALL SOURCES	1,173	1,381	1,125	1,111	1,205	1,315	1,209	1,122	.5	-7.2
FEDERAL, TOTAL	63	71	58	53	46	92	58	60	-1.4	3.4
DEPT OF DEFENSE	5	5	5	1	1	0	14	11	18.7	-21.4
DEPT OF HHS, TOTAL	33	4	3	7	2	5	7	15	-22.8	114.3
NIH	14	0	3	6	2	5	7	14	-10.9	100.0
OTHER HHS	19	4	0	1	0	0	0	1	-100.0	**
NSF	0	6	3	3	2	0	0	3	**	**
ALL OTHER FEDERAL	25	56	47	42	41	87	37	31	6.8	-16.2
INSTITUTIONAL SUPPORT	143	96	79	87	77	66	69	76	-11.4	10.1
OTHER OUTSIDE SUPPORT, TOTAL	54	24	37	51	5	19	102	96	11.2	-5.9
ALL OTHER U.S.	30	19	18	44	4	18	101	73	22.4	-27.7
FOREIGN	24	5	19	7	1	1	1	23	-41.1	2200.0
SELF-SUPPORT	913	1,190	951	920	1,077	1,138	980	890	1.2	-9.2

SOURCE: NATIONAL SCIENCE FOUNDATION, SRS.

Table 20.-- PART-TIME SCIENCE/ENGINEERING GRADUATE STUDENTS IN HISTORICALLY BLACK COLLEGES AND UNIVERSITIES BY FIELD: 1980-87

FIELD	NUMBER								AVERAGE ANNUAL PERCENT CHANGE	
	1980	1981	1982	1983	1984	1985	1986	1987	1980-86	1986-87
TOTAL, ALL FIELDS	996	991	1,054	1,234	1,526	1,260	1,311	1,124	4.7	-14.3
ENGINEERING	73	72	75	116	147	69	177	92	15.9	-48.0
AEROSPACE	0	0	0	0	0	0	0	0	0	0
AGRICULTURAL	0	0	0	0	0	0	0	0	0	0
BIOMEDICAL	0	0	0	0	0	0	0	0	0	0
CHEMICAL	0	0	0	0	0	0	0	0	0	0
CIVIL	17	10	13	13	27	4	15	17	-2.1	13.3
ELECTRICAL	9	7	7	10	29	10	16	25	10.1	56.3
ENGINEERING SCIENCE	0	0	0	0	0	0	0	0	**	**
INDUSTRIAL	10	0	0	13	15	2	0	0	-100.0	**
MECHANICAL	5	5	4	13	30	10	3	5	-8.2	66.7
METALLURGICAL/MATERIALS	0	0	0	0	0	0	0	0	0	0
MINING	0	0	0	0	0	0	0	0	0	0
NUCLEAR	0	0	0	0	0	0	0	0	**	**
PETROLEUM	0	0	0	0	0	0	0	0	0	0
ENGINEERING, N.E.C.	32	50	51	67	46	43	143	45	28.3	-68.5
SCIENCES, TOTAL	923	919	979	1,118	1,379	1,191	1,134	1,032	3.5	-9.0
PHYSICAL SCIENCES	36	29	32	48	89	58	60	56	8.9	-6.7
ASTRONOMY	0	0	0	0	0	0	0	0	0	0
CHEMISTRY	30	24	21	28	64	34	27	32	-1.7	18.5
PHYSICS	6	5	8	8	13	7	20	23	22.2	15.0
PHYSICAL SCIENCES, N.E.C.	0	0	3	12	12	17	13	1	**	-92.3
ENVIRONMENTAL SCIENCES	10	5	2	5	14	9	12	7	3.1	-41.7
ATMOSPHERIC SCIENCES	0	0	0	0	0	0	0	0	0	0
GEOSCIENCES	8	2	2	5	14	9	12	7	7.0	-41.7
OCEANOGRAPHY	0	0	0	0	0	0	0	0	0	0
ENVIRONMENTAL SCIENCES, N.E.C.	2	3	0	0	0	0	0	0	-100.0	**
MATHEMATICAL SCIENCES	53	48	95	98	127	99	122	91	14.9	-25.4
COMPUTER SCIENCES	43	63	79	86	118	92	73	66	9.2	-9.6
LIFE SCIENCES	228	219	216	178	209	197	170	143	-4.8	-15.9
AGRICULTURAL SCIENCES	31	41	41	43	30	39	29	16	-1.1	-44.8
BIOLOGICAL SCIENCES	149	131	118	82	114	110	99	84	-6.6	-15.2
ANATOMY	0	0	0	0	0	0	0	0	**	**
BIOCHEMISTRY	0	0	0	0	0	0	0	0	0	0
BIOLOGY	115	103	92	63	83	95	80	68	-5.9	-15.0
BIOMETRY/EPIDEMIOLOGY	0	0	0	0	0	0	0	0	0	0
BIOPHYSICS	0	0	0	0	0	0	0	0	0	0
BOTANY	16	13	12	12	12	5	6	6	-15.1	.0
CELL BIOLOGY	0	0	0	0	0	0	0	0	0	0
ECOLOGY	0	0	0	0	0	0	0	0	0	0
ENTOMOLOGY/PARASITOLOGY	0	0	0	0	0	0	0	0	0	0
GENETICS	0	0	0	2	2	3	3	0	**	-100.0
MICROBIOLOGY	0	0	0	0	0	1	0	0	**	**
NUTRITION	5	2	8	0	0	0	2	1	-14.2	-50.0
PATHOLOGY	0	0	0	0	0	0	0	0	0	0
PHARMACOLOGY	4	2	3	2	1	0	1	0	-20.6	-100.0
PHYSIOLOGY	0	0	0	0	0	1	1	0	**	-100.0
ZOOLOGY	5	10	2	2	11	2	5	5	0	0
BIOSCIENCES, N.E.C.	4	1	1	1	5	3	1	4	-20.6	300.0
HEALTH SCIENCES	48	47	57	53	65	48	42	43	-2.2	2.4
DENTISTRY	0	0	0	0	0	0	0	0	0	0
NEUROLOGY	0	0	0	0	0	0	0	0	0	0
NURSING	27	22	23	21	30	12	10	19	-15.3	90.0
PHARMACEUTICAL SCIENCES	0	0	0	0	0	0	0	0	0	0
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	0	5	2	1	0	0	0	0	**	**
SPEECH PATHOLOGY/AUDIOLOGY	18	19	29	31	32	33	29	21	8.3	-27.6
VETERINARY SCIENCES	3	1	3	0	3	3	3	3	.0	.0
CLINICAL MEDICINE, N.E.C.	0	0	0	0	0	0	0	0	**	**
HEALTH RELATED, N.E.C.	0	0	0	0	0	0	0	0	0	0
PSYCHOLOGY	113	115	107	252	263	245	236	211	13.1	-10.6
SOCIAL SCIENCES	440	440	448	451	559	491	461	458	.8	-.7
AGRICULTURAL ECONOMICS	4	2	20	3	13	22	13	15	21.7	15.4
ANTHROPOLOGY	0	0	0	0	0	0	0	0	0	0
ECONOMICS (EXCEPT AGRICULTURAL)	42	40	50	46	76	58	56	37	4.9	-33.9
GEOGRAPHY	0	0	0	0	0	0	0	0	0	0
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	0	0	0	0	0	0	0	0
LINGUISTICS	41	20	5	5	76	57	57	62	5.6	8.8
POLITICAL SCIENCE	138	120	124	154	147	129	140	170	.2	21.4
SOCIOLOGY	56	89	89	78	76	85	88	93	7.8	5.7
SOCIOLOGY/ANTHROPOLOGY	59	48	31	32	52	31	33	34	-9.2	3.0
SOCIAL SCIENCES, N.E.C.	100	121	129	133	119	109	74	47	-4.9	-36.5

SOURCE: NATIONAL SCIENCE FOUNDATION, SRS.

Table 21-- GRADUATE SCIENCE/ENGINEERING ENROLLMENT BY ENROLLMENT STATUS AND TOTAL POSTDOCTORATES IN HISTORICALLY BLACK COLLEGES AND UNIVERSITIES, RANKED BY TOTAL GRADUATE SCIENCE/ENGINEERING ENROLLMENT: 1987

INSTITUTIONAL RANKING	TOTAL STUDENTS	FULL-TIME STUDENTS	PART-TIME STUDENTS	POSTDOC-TORATES
TOTAL, ALL INSTITUTIONS	3,306	2,182	1,124	53
1 HOWARD UNIVERSITY	896	634	262	26
2 ATLANTA UNIVERSITY	470	302	168	1
3 TENNESSEE STATE UNIVERSITY	280	66	214	5
4 JACKSON STATE UNIVERSITY	250	129	121	0
5 ALABAMA A & M UNIVERSITY	210	174	36	7
6 NORTH CAROLINA A & T STATE UNIVERSITY	194	157	37	1
7 TEXAS SOUTHERN UNIVERSITY	137	86	51	1
8 PRAIRIE VIEW A & M UNIVERSITY	120	97	23	0
9 UNIVERSITY OF THE DISTRICT OF COLUMBIA	119	80	39	0
10 HAMPTON UNIVERSITY	119	85	34	0
TOTAL, 1ST 10 INSTS.	2,795	1,810	985	41
11 TUSKEGEE UNIVERSITY	108	99	9	7
12 NORTH CAROLINA CENTRAL UNIVERSITY	76	43	33	1
13 FLORIDA A & M UNIVERSITY	65	55	10	0
14 MORGAN STATE UNIVERSITY	63	35	28	0
15 SOUTHERN UNIVERSITY A & M COLLEGE	56	42	14	0
16 VIRGINIA STATE UNIVERSITY	48	31	17	0
17 MEHARRY MEDICAL COLLEGE	34	34	0	4
18 COPPIN STATE COLLEGE	23	7	16	0
19 FISK UNIVERSITY	21	17	4	0
20 ALABAMA STATE UNIVERSITY	17	9	8	0
TOTAL, 1ST 20 INSTS.	3,306	2,182	1,124	53
21 MOREHOUSE SCHOOL OF MEDICINE	0	0	0	0
22 CHEYNEY UNIVERSITY OF PENNSYLVANIA	0	0	0	0
TOTAL, 1ST 22 INSTS.	3,306	2,182	1,124	53

SOURCE: NATIONAL SCIENCE FOUNDATION, SRS.

Table 22 -- GRADUATE SCIENCE/ENGINEERING ENROLLMENT IN HISTORICALLY BLACK COLLEGES AND UNIVERSITIES, BY FIELD: 1987

INSTITUTIONAL RANKING	TOTAL	ENGI-NEERING	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATH SCIENCES	COMPUTER SCIENCES	LIFE SCIENCES	PSYCHOL-OGY	SOCIAL SCIENCES
TOTAL, ALL INSTITUTIONS	3,306	375	300	16	259	229	621	374	1,132
1 HOWARD UNIVERSITY	896	126	67	12	12	52	117	83	427
2 ATLANTA UNIVERSITY	470	0	41	0	113	0	36	0	280
3 TENNESSEE STATE UNIVERSITY	280	56	6	0	6	0	29	150	33
4 JACKSON STATE UNIVERSITY	250	0	15	0	4	96	31	0	104
5 ALABAMA A & M UNIVERSITY	210	0	33	0	0	81	68	0	28
6 NORTH CAROLINA A & T STATE UNIVERSITY	194	113	18	0	0	0	17	0	46
7 TEXAS SOUTHERN UNIVERSITY	137	0	18	0	14	0	28	44	33
8 PRAIRIE VIEW A & M UNIVERSITY	120	18	10	0	30	0	30	0	32
9 UNIVERSITY OF THE DISTRICT OF COLUMBIA	119	0	0	0	8	0	47	29	35
10 HAMPTON UNIVERSITY	119	0	31	0	8	0	80	0	0
TOTAL, 1ST 10 INSTS.	2,795	313	239	12	195	229	483	306	1,018
11 TUSKEGEE UNIVERSITY	108	46	10	0	0	0	52	0	0
12 NORTH CAROLINA CENTRAL UNIVERSITY	76	0	12	0	14	0	16	28	6
13 FLORIDA A & M UNIVERSITY	65	16	0	0	0	0	14	18	17
14 MORGAN STATE UNIVERSITY	63	0	0	0	3	0	0	0	60
15 SOUTHERN UNIVERSITY A & M COLLEGE	56	0	21	0	28	0	3	0	4
16 VIRGINIA STATE UNIVERSITY	48	0	8	4	9	0	12	15	0
17 MEHARRY MEDICAL COLLEGE	34	0	0	0	0	0	34	0	0
18 COPPIN STATE COLLEGE	23	0	0	0	0	0	0	0	23
19 FISK UNIVERSITY	21	0	10	0	0	0	0	7	4
20 ALABAMA STATE UNIVERSITY	17	0	0	0	10	0	7	0	0
TOTAL, 1ST 20 INSTS.	3,306	375	300	16	259	229	621	374	1,132
21 MOREHOUSE SCHOOL OF MEDICINE	0	0	0	0	0	0	0	0	0
22 CHEYNEY UNIVERSITY OF PENNSYLVANIA	0	0	0	0	0	0	0	0	0
TOTAL, 1ST 22 INSTS.	3,306	375	300	16	259	229	621	374	1,132

SOURCE: NATIONAL SCIENCE FOUNDATION, SRS.

Table 23 SUMMARY OF RESPONSES FROM ALL DEPARTMENTS AT ALL HISTORICALLY BLACK INSTITUTIONS: FALL 1987

Number of departments: 154

5. FULL-TIME GRADUATE S/E STUDENTS	Students Receiving Financial Assistance										
	Federal Sources (excluding loans)						Non-Federal Sources			Self support (includ. loans & family sources)	Total for all sources (sum of columns A - I)
		HHS									
	DOD (A)	NIH (B)	Other HHS (C)	NSF (D)	Dept. of Agr. (E)	Other Federal sources (F)	Institutional support (G)	Foreign sources (H)	Other U.S. sources (I)	(J)	(K)
Graduate Fellowships (1)	13	6	0	15	4	66	93	10	26		233
Graduate Traineeships (2)	1	67	42	1	4	5	33	9	2		164
Graduate Research Assistants (3)	29	61	0	23	53	99	55	3	18		341
Graduate Teaching Assistants (4)		4	0	1	0	6	275		36		322
Other Types of Support (5)	11	14	1	3	7	24	76	23	73	890	1122
FULL-TIME TOTAL (6)	54	152	43	43	68	200	532	45	155	890	2182
Full-time Women (7)	19	75	42	20	13	67	205	7	64	300	812
Full-time First-year Total (8)											641
Full-time First-year Women (9)											270

6. PART-TIME GRADUATE S/E STUDENTS	
Total (1)	1124
Women (2)	498

7. RACIAL/ETHNIC BACKGROUND OF GRADUATE S/E STUDENTS	U.S. Citizens Only							
	Black non-Hispanic (A)	American Indian/ Alaskan (B)	Asian/ Pacific Islander (C)	Hispanic (D)	White non-Hispanic (E)	Other or unknown (F)	Foreign (G)	Total (sum of columns A - G) (H)
Full-time (1)	1043	2	42	13	128	31	923	2182
Part-time (2)	609	0	16	9	179	29	282	1124

8. S/E POSTDOCTORATES AND NON-FACULTY DOCTORAL RESEARCH STAFF	Postdoctorates						Other non-fac. doctoral research staff (G)
	Source of Support				Total for all sources (A - D) (E)	Foreign postdoctorates (F)	
	Federal						
	Fellowships (A)	Traineeships (B)	Research grants (C)	Non-Federal (D)			
Total (1)	5	2	21	25	53	30	28
Women (2)	2	0	3	2	7	0	3
With MD, DDS, or DVM degrees (3)	0	0	0	4	4	4	0

SOURCE: NATIONAL SCIENCE FOUNDATION, SRS.